

FLORIDA PAINTS Ironman Alkyd Metal Primer White

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 11/11/2024 Revision date: 7/31/2025 Supersedes: 11/11/2024 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name Ironman Alkyd Metal Primer White

Product code 5450

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Florida Paints 78 3RD STREET WINTER GARDEN, FL, 32787

1.4. Emergency telephone number

: VelocityEHS US (800) 255-3924 | VelocityEHS International (813) 248-0688 **Emergency number**

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids, Category 3	H226	Flammable liquid and vapour.
Acute toxicity (inhalation:dust,mist) Category 4	H332	Harmful if inhaled.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects.
Carcinogenicity, Category 1A	H350	May cause cancer.
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.
Full text of H-statements: see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)









Signal word (GHS US) : Danger

Hazard statements (GHS US) : H226 - Flammable liquid and vapour.

H317 - May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H340 - May cause genetic defects.

H350 - May cause cancer.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P233 - Keep container tightly closed.

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P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

58.67% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

95.91% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

73.9% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Stoddard solvent	CAS-No.: 8052-41-3	10 – 20	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
titanium(IV) oxide	CAS-No.: 13463-67-7	10 – 20	Carc. 2, H351
solvent naphtha(petroleum), medium aliph.	CAS-No.: 64742-88-7	5 – 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS US classification
aluminiumsilicate, calcined	CAS-No.: 92704-41-1	< 5	Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Acute 2, H401
talc	CAS-No.: 14807-96-6	< 5	Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 2, H351
zinc oxide	CAS-No.: 1314-13-2	< 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
xylene, mixture of isomers	CAS-No.: 1330-20-7	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401
naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	< 5	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
ethylbenzene	CAS-No.: 100-41-4	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
quartz, crystalline silica	CAS-No.: 14808-60-7	< 5	Carc. 1A, H350 STOT RE 2, H373
2-butanone oxime	CAS-No.: 96-29-7	< 5	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 2, H373 Aquatic Acute 2, H401
solvent naphtha (petroleum), light aromatic	CAS-No.: 64742-95-6	< 5	Flam. Liq. 2, H225 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general

: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

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First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor

if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or

rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable

protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures

Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

toddard solvent (8052-41-3)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Stoddard solvent	
ACGIH® TLV® TWA	100 ppm	
Remark (ACGIH)	TLV® Basis: Eye, skin, & kidney dam; nausea; CNS impair	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Stoddard solvent	
OSHA PEL TWA	2900 mg/m³	
	500 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
xylene, mixture of isomers (1330-20-7)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Xylene, mixed isomers (Dimethylbenzene)	
ACGIH® TLV® TWA	20 ppm	
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI	
Regulatory reference	ACGIH 2024	
USA - ACGIH - Biological Exposure Indices		
Local name	Xylenes (technical or commercial grade)	

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xylene, mixture of isomers (1330-20-7)		
BEI	0.3 g/g creatinine Parameter: Methylhippuric acids (The determinants refer to the total of all isomers of methylhippuric acids) - Medium: urine - Sampling time: End of shift	
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Xylenes (o-, m-, p-isomers)	
OSHA PEL TWA	435 mg/m³	
	100 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
titanium(IV) oxide (13463-67-7)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Titanium dioxide	
ACGIH® TLV® TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)	
Remark (ACGIH)	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Titanium dioxide (Total dust)	
OSHA PEL TWA	15 mg/m³	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	
zinc oxide (1314-13-2)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Zinc oxide	
ACGIH® TLV® TWA	2 mg/m³ (Respirable fraction)	
ACGIH® TLV® STEL	10 mg/m³ (Respirable fraction)	
Remark (ACGIH)	TLV® Basis: Metal fume fever	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Zinc oxide	
OSHA PEL TWA	5 mg/m³ (Fume) 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

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quartz, crystalline silica (14808-60-7)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Silica crystaline - quartz	
ACGIH® TLV® TWA	0.025 mg/m³ (Respirable fraction)	
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Quartz (Respirable) (Silica: Crystalline)	
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO2+5)) for mppcf and (10 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts	
aluminiumsilicate, calcined (92704-41-1)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH® TLV® TWA	2 mg/m³ (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica)	
talc (14807-96-6)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Talc	
ACGIH® TLV® TWA	2 mg/m³ (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica) 0.1 fibers/cm³ (Respirable fibers: length > 5 μ m; aspect ratio \geq 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination)	
	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)	
Remark (ACGIH)	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))	
OSHA PEL TWA	20 mppcf	
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts	
ethylbenzene (100-41-4)		
USA - OSHA - Occupational Exposure Limits		
Local name	Ethyl benzene	
OSHA PEL TWA	435 mg/m³	
	100 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):







SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : white

 Odour
 : No data available

 Odour threshold
 : No data available

 pH
 : No data available

 Melting point
 : Not applicable

 Freezing point
 : No data available

 Boiling point
 : 300 (≥ 410) °F

 Flash point
 : ≥ 107 °F

 Polotive evenestion rate (buthlecetted)
 : No data available

Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not applicable. : No data available Vapour pressure : No data available Relative vapour density at 20°C Relative density No data available Solubility No data available Partition coefficient n-octanol/water (Log Pow) No data available Auto-ignition temperature : No data available : No data available Decomposition temperature Viscosity, kinematic : No data available Viscosity, dynamic : No data available **Explosive limits** : No data available Explosive properties : No data available Oxidising properties : No data available

9.2. Other information

VOC content : 360 g/l

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SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

Acute toxicity (illinatation)	IIIIalation.uust,iiiist. Haimiui II IIIilaleu.	
Ironman Alkyd Metal Primer White		
ATE US (dust,mist)	4.386 mg/l/4h	
Unknown acute toxicity (GHS US)	58.67% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 95.91% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 73.9% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))	
Stoddard solvent (8052-41-3)		
LD50 oral rat	5000 mg/kg Source: ChemlDplus	
LD50 dermal rabbit	> 3000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:	
LC50 Inhalation - Rat	> 5.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:	
ATE US (oral)	5000 mg/kg bodyweight	
xylene, mixture of isomers (1330-20-7)		
LD50 oral rat	> 4000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 4200 mg/kg bodyweight (4 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))	
LC50 Inhalation - Rat [ppm]	5922 ppm	

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xylene, mixture of isomers (1330-20-7)			
ATE US (gases)	5922 ppmv/4h		
ATE US (vapours)	11 mg/l/4h		
ATE US (dust,mist)	1.5 mg/l/4h		
titanium(IV) oxide (13463-67-7)			
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))		
LC50 Inhalation - Rat	5.09 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))		
ATE US (vapours)	5.09 mg/l/4h		
ATE US (dust,mist)	5.09 mg/l/4h		
solvent naphtha (petroleum), light aromatic (6	64742-95-6)		
LD50 oral rat	8400 mg/kg Source: RTECS		
LD50 dermal rat	> 2000 mg/kg Source: ECHA		
LD50 dermal rabbit	> 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LC50 Inhalation - Rat	> 6193 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:		
LC50 Inhalation - Rat (Vapours)	5.16 mg/l Source: ECHA		
ATE US (oral)	8400 mg/kg bodyweight		
ATE US (vapours)	5.16 mg/l/4h		
zinc oxide (1314-13-2)			
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))		
naphtha (petroleum), hydrotreated heavy (647	742-48-9)		
LD50 oral rat	> 15000 mg/kg Source: IUCLID		
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID		
aluminiumsilicate, calcined (92704-41-1)			
LD50 oral rat	> 5000 mg/kg bodyweight (EPA OPP 81-1: Acute Oral Toxicity, Rat, Male / female, Readacross, Oral, 14 day(s))		
LD50 dermal rat	> 5000 mg/kg bodyweight (EPA OPP 81-2, Rat, Male / female, Read-across, Dermal, 14 day(s))		
LC50 Inhalation - Rat	> 2.07 mg/l (EPA OPP 81-3: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))		
ATE US (dust,mist)	1.5 mg/l/4h		

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talc (14807-96-6)		
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	> 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (aerosol), 15 day(s))	
ATE US (dust,mist)	1.5 mg/l/4h	
solvent naphtha(petroleum), mediun	n aliph. (64742-88-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 420, Rat, Male / female, Experimental value, Oral)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)	
LC50 Inhalation - Rat	> 5.28 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))	
ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	15433 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))	
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP	
ATE US (oral)	3500 mg/kg bodyweight	
ATE US (dermal)	15433 mg/kg bodyweight	
ATE US (gases)	4000 ppmv/4h	
ATE US (vapours)	17.8 mg/l/4h	
ATE US (dust,mist)	1.5 mg/l/4h	
2-butanone oxime (96-29-7)		
LD50 oral rat	2326 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 1000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))	
LC50 Inhalation - Rat	> 4.83 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))	
ATE US (oral)	2326 mg/kg bodyweight	
ATE US (dermal)	1100 mg/kg bodyweight	
Skin corrosion/irritation	: Not classified	
xylene, mixture of isomers (1330-20-7)		
рН	No data available in the literature	
titanium(IV) oxide (13463-67-7)		
рН	7 (aqueous suspension, 10 %)	

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zinc oxide (1314-13-2)			
рН	6.07 – 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility)		
quartz, crystalline silica (14808-60-7)	quartz, crystalline silica (14808-60-7)		
рН	5 – 8 (40 %, 20 °C)		
aluminiumsilicate, calcined (92704-41-1)			
рН	4 – 6 (3.0 %)		
talc (14807-96-6)			
рН	No data available in the literature		
ethylbenzene (100-41-4)			
рН	Not applicable (non-soluble in water)		
2-butanone oxime (96-29-7)			
рН	7 (10 %, 25 °C)		
Serious eye damage/irritation :	Not classified		
xylene, mixture of isomers (1330-20-7)			
pH	No data available in the literature		
titanium(IV) oxide (13463-67-7)			
рН	7 (aqueous suspension, 10 %)		
zinc oxide (1314-13-2)			
рН	6.07 – 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility)		
quartz, crystalline silica (14808-60-7)			
рН	5 – 8 (40 %, 20 °C)		
aluminiumsilicate, calcined (92704-41-1)			
рН	4 – 6 (3.0 %)		
talc (14807-96-6)			
рН	No data available in the literature		
ethylbenzene (100-41-4)			
рН	Not applicable (non-soluble in water)		
2-butanone oxime (96-29-7)			
рН	7 (10 %, 25 °C)		
	May cause an allergic skin reaction.		
	May cause genetic defects. May cause cancer.		
xylene, mixture of isomers (1330-20-7)	•		
IARC group	3 - Not classifiable		
titanium(IV) oxide (13463-67-7)			
IARC group	2B - Possibly carcinogenic to humans		
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quartz, crystalline silica (14808-60-7)			
IARC group	1 - Carcinogenic to humans		
National Toxicity Program (NTP) Status	Known Human Carcinogens		
talc (14807-96-6)			
IARC group	3 - Not classifiable, 2B - Possibly carcinogenic to humans		
ethylbenzene (100-41-4)			
IARC group	2B - Possibly carcinogenic to humans		
Reproductive toxicity : STOT-single exposure :	Not classified Not classified		
2-butanone oxime (96-29-7)			
STOT-single exposure	Causes damage to organs. May cause drowsiness or dizziness.		
STOT-repeated exposure :	Not classified		
Stoddard solvent (8052-41-3)			
NOAEL (oral, rat, 90 days)	1056 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Remarks on results: other:		
NOAEL (dermal, rat/rabbit, 90 days)	2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)		
xylene, mixture of isomers (1330-20-7)			
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)		
solvent naphtha (petroleum), light aromatic (64742-95-6)		
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)		
quartz, crystalline silica (14808-60-7)			
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female		
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)		
ethylbenzene (100-41-4)			
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.		
2-butanone oxime (96-29-7)			
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: other:		
NOAEC (inhalation, rat, vapour, 90 days)	0.09 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)		
NOAEL (subchronic, oral, animal/male, 90 days)	110 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.		

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Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available

•	No data available		
Stoddard solvent (8052-41-3)			
Viscosity, kinematic	1.2 mm²/s (25 °C)		
xylene, mixture of isomers (1330-20-7)			
Viscosity, kinematic	0.74 mm²/s (20 °C)		
titanium(IV) oxide (13463-67-7)			
Viscosity, kinematic	Not applicable (solid)		
zinc oxide (1314-13-2)			
Viscosity, kinematic	Not applicable (solid)		
naphtha (petroleum), hydrotreated heavy (647	naphtha (petroleum), hydrotreated heavy (64742-48-9)		
Viscosity, kinematic	< 1 mm ² /s (37.8 °C)		
quartz, crystalline silica (14808-60-7)			
Viscosity, kinematic	Not applicable (solid)		
aluminiumsilicate, calcined (92704-41-1)			
Viscosity, kinematic	Not applicable (solid)		
talc (14807-96-6)			
Viscosity, kinematic	Not applicable (solid)		
ethylbenzene (100-41-4)			
Viscosity, kinematic	0.773 mm²/s (20 °C, OECD 114: Viscosity of Liquids)		

Symptoms/effects after skin contact : May cause an allergic skin reaction.

SECTION 12: Ecological information

2-butanone oxime (96-29-7)

Viscosity, kinematic

12.1. Toxicity		
Ecology - general :	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.	
Stoddard solvent (8052-41-3)		
LC50 - Fish [1]	2.5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 96h - Algae [1]	0.58 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
xylene, mixture of isomers (1330-20-7)		
LC50 - Fish [1]	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)	
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	
ErC50 algae	4.4 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	

No data available in the literature

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xylene, mixture of isomers (1330-20-7)			
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		
titanium(IV) oxide (13463-67-7)			
LC50 - Fish [1]	> 300 mg/l (Danio rerio, Fresh water, Literature study, Nominal concentration)		
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)		
solvent naphtha (petroleum), light aromatic (64742-95-6)		
LC50 - Fish [1]	9.22 mg/l Source: IUCLID		
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID		
EC50 72h - Algae [1]	19 mg/l Source: IUCLID		
EC50 72h - Algae [2]	0.29 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)		
zinc oxide (1314-13-2)			
LC50 - Fish [1]	0.17 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Readacross, Zinc ion)		
EC50 - Crustacea [1]	1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Zinc ion)		
naphtha (petroleum), hydrotreated heavy (64	742-48-9)		
LC50 - Fish [1]	2200 mg/l Source: IUCLID		
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID		
aluminiumsilicate, calcined (92704-41-1)			
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri)		
EC50 - Crustacea [1]	> 1 mg/l Source: IUCLID		
EC50 72h - Algae [1]	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Scenedesmus subspicatus)		
EC50 72h - Algae [2]	410 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)		
NOEC (chronic)	1000 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
talc (14807-96-6)			
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)		
EC50 96h - Algae [1]	7203 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)		
solvent naphtha(petroleum), medium aliph. (64742-88-7)			
LC50 - Fish [1]	0.14 mg/l Source: EPISUITE		
EC50 96h - Algae [1]	0.277 mg/l Source: EPISUITE		
ethylbenzene (100-41-4)			
LC50 - Fish [1]	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)		

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ethylbenzene (100-41-4)	
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 72h - Algae [1]	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	2.6 mg/l Source: ECHA
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
2-butanone oxime (96-29-7)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	201 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	≈ 11.8 mg/l Test organisms (species): Scenedesmus capricornutum
EC50 72h - Algae [2]	≈ 6.09 mg/l Test organisms (species): Scenedesmus capricornutum
ErC50 algae	11.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Ironman Alkyd Metal Primer White			
Persistence and degradability	Rapidly degradable		
Stoddard solvent (8052-41-3)			
Persistence and degradability	Rapidly degradable		
xylene, mixture of isomers (1330-20-7)			
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.		
titanium(IV) oxide (13463-67-7)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable (inorganic)		
ThOD	Not applicable (inorganic)		
solvent naphtha (petroleum), light aromatic (64742-95-6)			
Persistence and degradability	Rapidly degradable		
zinc oxide (1314-13-2)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable (inorganic)		
ThOD	Not applicable (inorganic)		

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naphtha (petroleum), hydrotreated heavy (64742-48-9)		
Persistence and degradability	Rapidly degradable	
quartz, crystalline silica (14808-60-7)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
aluminiumsilicate, calcined (92704-41-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
talc (14807-96-6)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
solvent naphtha(petroleum), medium aliph. (6	4742-88-7)	
Persistence and degradability	Readily biodegradable in water.	
ethylbenzene (100-41-4)		
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance	
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance	
ThOD	3.17 g O₂/g substance	
2-butanone oxime (96-29-7)		
Persistence and degradability	Not readily biodegradable in water.	
12.3. Bioaccumulative potential		
Stoddard solvent (8052-41-3)		
Partition coefficient n-octanol/water (Log Pow)	3.16 – 7.06	
xylene, mixture of isomers (1330-20-7)		
BCF - Fish [1]	7.2 – 26 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
titanium(IV) oxide (13463-67-7)		
Bioaccumulative potential	Not bioaccumulative.	
solvent naphtha (petroleum), light aromatic (64742-95-6)		
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6	

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zinc oxide (1314-13-2)

(Log Koc)

Ecology - soil

Surface tension

Ecology - soil

titanium(IV) oxide (13463-67-7)

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ZITIC OXIDE (1314-13-2)			
Bioaccumulative potential	Not bioaccumulative.		
naphtha (petroleum), hydrotreated heavy (64742-48-9)			
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID		
quartz, crystalline silica (14808-60-7)			
Bioaccumulative potential	Not bioaccumulative.		
aluminiumsilicate, calcined (92704-41-1)			
Bioaccumulative potential	No bioaccumulation data available.		
talc (14807-96-6)			
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)		
Bioaccumulative potential	Not bioaccumulative.		
solvent naphtha(petroleum), medium aliph. (64742-88-7)			
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID		
Bioaccumulative potential	No bioaccumulation data available.		
ethylbenzene (100-41-4)			
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)		
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
2-butanone oxime (96-29-7)			
BCF - Fish [1]	0.5-5.8 (OECD 305C: Bioaccumulation: Test for the Degree of Bioconcentration in Fish, 42 day(s), Cyprinus carpio, Fresh water, Experimental value, GLP)		
Partition coefficient n-octanol/water (Log Pow)	0.63 (Experimental value, Equivalent or similar to OECD 117)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
12.4. Mobility in soil			
Stoddard solvent (8052-41-3)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.85 – 6.74 (log Koc)		
xylene, mixture of isomers (1330-20-7)			
Surface tension	28.01 – 29.76 mN/m (25 °C)		
Organic Carbon Normalized Adsorption Coefficient	2.7 (log Koc, Equivalent or similar to OECD 121, Read-across)		

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No data available in the literature

Low potential for mobility in soil.

formation.

Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit

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-inid- (4044 40 0)		
zinc oxide (1314-13-2)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)	
Ecology - soil	Low potential for adsorption in soil.	
quartz, crystalline silica (14808-60-7)		
Surface tension	No data available in the literature	
Ecology - soil	Low potential for mobility in soil.	
talc (14807-96-6)		
Surface tension	Not applicable (water solubility < 1 mg/l)	
Ecology - soil	Adsorbs into the soil.	
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
Ecology - soil	Adsorbs into the soil.	
ethylbenzene (100-41-4)		
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)	
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.	
2-butanone oxime (96-29-7)		
Surface tension	30.29 mN/m (16 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.55 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
-		

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated

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DOT	IMDG	IATA
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

xylene, mixture of isomers	CAS-No. 1330-20-7	< 5%
ethylbenzene	CAS-No. 100-41-4	< 5%

xylene, mixture of isomers (1330-20-7)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 100 lb

ethylbenzene (100-41-4)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

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15.2. International regulations

CANADA

Stoddard solvent (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List)

xylene, mixture of isomers (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

titanium(IV) oxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

zinc oxide (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on the Canadian DSL (Domestic Substances List)

quartz, crystalline silica (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

aluminiumsilicate, calcined (92704-41-1)

Listed on the Canadian DSL (Domestic Substances List)

talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on the Canadian DSL (Domestic Substances List)

ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

2-butanone oxime (96-29-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

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National regulations

Stoddard solvent (8052-41-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

xylene, mixture of isomers (1330-20-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

titanium(IV) oxide (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

zinc oxide (1314-13-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

quartz, crystalline silica (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

talc (14807-96-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2-butanone oxime (96-29-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations



This product can expose you to Cumene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 7/31/2025

Full text of hazard classes and H-statements		
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H227	Combustible liquid	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H332	Harmful if inhaled.	
H336	May cause drowsiness or dizziness.	
H340	May cause genetic defects.	
H350	May cause cancer.	
H351	Suspected of causing cancer.	
H370	Causes damage to organs.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	
H401	Toxic to aquatic life	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



FLORIDA PAINTS Ironman Alkyd Metal Primer Red Oxide

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 12/11/2023 Revision date: 7/31/2025 Supersedes: 12/11/2023 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name Ironman Alkyd Metal Primer Red Oxide

Product code 5453

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Florida Paints 78 3RD STREET WINTER GARDEN, FL, 32787

1.4. Emergency telephone number

: VelocityEHS US (800) 255-3924 | VelocityEHS International (813) 248-0688 **Emergency number**

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids, Category 3	H226	Flammable liquid and vapour.
Acute toxicity (inhalation:dust,mist) Category 4	H332	Harmful if inhaled.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	H340	May cause genetic defects.
Carcinogenicity, Category 1A	H350	May cause cancer.
Specific target organ toxicity – Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment – Acute Hazard, Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard, Category 2 Full text of H-statements: see section 16	H411	Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)









Signal word (GHS US) : Danger

Hazard statements (GHS US) : H226 - Flammable liquid and vapour.

H317 - May cause an allergic skin reaction.

H332 - Harmful if inhaled.

H340 - May cause genetic defects.

H350 - May cause cancer.

H373 - May cause damage to organs through prolonged or repeated exposure.

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing must not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a poison center or doctor if you feel unwell.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P391 - Collect spillage.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

52.72% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

96.75% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

78.24% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
iron(III) oxide	CAS-No.: 1309-37-1	5 – 10	STOT RE 2, H373 Aquatic Acute 3, H402
Stoddard solvent	CAS-No.: 8052-41-3	5 – 10	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Name	Product identifier	%	GHS US classification
talc	CAS-No.: 14807-96-6	5 – 10	Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 2, H351
solvent naphtha(petroleum), medium aliph.	CAS-No.: 64742-88-7	5 – 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C9, aromatics	CAS-No.: 67472-95-6	< 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
zinc oxide	CAS-No.: 1314-13-2	< 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2,4-trimethylbenzene	CAS-No.: 95-63-6	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
xylene, mixture of isomers	CAS-No.: 1330-20-7	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 2, H401
naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	< 5	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
quartz, crystalline silica	CAS-No.: 14808-60-7	< 5	Carc. 1A, H350 STOT RE 2, H373
ethylbenzene	CAS-No.: 100-41-4	< 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 2, H401
2-butanone oxime	CAS-No.: 96-29-7	< 5	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 1, H370 STOT SE 3, H336 STOT RE 2, H373 Aquatic Acute 2, H401

Full text of hazard classes and H-statements : see section 16

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you

feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor

if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or

rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is

expected to be an inhalation hazard.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion : None under normal conditions.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapour. Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb

spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable

protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

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6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into

sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use. Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned

regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

iron(III) oxide (1309-37-1)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Iron oxide (Fe2O3)	
ACGIH® TLV® TWA	5 mg/m³ (Respirable fraction)	
Remark (ACGIH)	TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)	

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iron(III) oxide (1309-37-1)			
Regulatory reference	ACGIH 2024		
USA - OSHA - Occupational Exposure Limits			
Local name	Iron oxide fume		
OSHA PEL TWA	10 mg/m³		
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
xylene, mixture of isomers (1330-20-7)			
USA - ACGIH - Occupational Exposure Limits			
Local name	Xylene, mixed isomers (Dimethylbenzene)		
ACGIH® TLV® TWA	20 ppm		
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI		
Regulatory reference	ACGIH 2024		
USA - ACGIH - Biological Exposure Indices			
Local name	Xylenes (technical or commercial grade)		
BEI	0.3 g/g creatinine Parameter: Methylhippuric acids (The determinants refer to the total of all isomers of methylhippuric acids) - Medium: urine - Sampling time: End of shift		
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids		
Regulatory reference	ACGIH 2024		
USA - OSHA - Occupational Exposure Limits			
Local name	Xylenes (o-, m-, p-isomers)		
OSHA PEL TWA	435 mg/m³		
	100 ppm		
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
ethylbenzene (100-41-4)			
USA - OSHA - Occupational Exposure Limits			
Local name	Ethyl benzene		
OSHA PEL TWA	435 mg/m³		
	100 ppm		
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1		
talc (14807-96-6)			
USA - ACGIH - Occupational Exposure Limits			
Local name	Talc		

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talc (14807-96-6)		
ACGIH® TLV® TWA	2 mg/m³ (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica) 0.1 fibers/cm³ (Respirable fibers: length > 5 µm; aspect ratio ≥ 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination)	
	0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers)	
Remark (ACGIH)	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))	
OSHA PEL TWA	20 mppcf	
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts	
quartz, crystalline silica (14808-60-7)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Silica crystaline - quartz	
ACGIH® TLV® TWA	0.025 mg/m³ (Respirable fraction)	
Remark (ACGIH)	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Quartz (Respirable) (Silica: Crystalline)	
Remark (OSHA)	Table Z-3. For OSHA PEL (TWA): Use formulas: (250 / (%SiO2+5)) for mppcf and (10 mg/m3 / (%SiO2+2)) for mg/m3. CAS No. source: eCFR Table Z-1.	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts	
zinc oxide (1314-13-2)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Zinc oxide	
ACGIH® TLV® TWA	2 mg/m³ (Respirable fraction)	
ACGIH® TLV® STEL	10 mg/m³ (Respirable fraction)	
Remark (ACGIH)	TLV® Basis: Metal fume fever	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Zinc oxide	
OSHA PEL TWA	5 mg/m³ (Fume) 15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

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1,2,4-trimethylbenzene (95-63-6)		
USA - ACGIH - Occupational Exposure Limits		
Local name	1,2,4-Trimethyl benzene	
ACGIH® TLV® TWA	10 ppm	
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)	
Regulatory reference	ACGIH 2024	
Stoddard solvent (8052-41-3)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Stoddard solvent	
ACGIH® TLV® TWA	100 ppm	
Remark (ACGIH)	TLV® Basis: Eye, skin, & kidney dam; nausea; CNS impair	
Regulatory reference	ACGIH 2024	
USA - OSHA - Occupational Exposure Limits		
Local name	Stoddard solvent	
OSHA PEL TWA	2900 mg/m³	
	500 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand	protection:	

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):







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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
Colour : red

Odour : No data available
Odour threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available

Boiling point : \geq 149 °F Flash point : \geq 105 °F

Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapour pressure : No data available Relative vapour density at 20°C No data available Relative density No data available Solubility No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available : No data available Decomposition temperature Viscosity, kinematic : No data available Viscosity, dynamic No data available **Explosive limits** No data available Explosive properties No data available Oxidising properties No data available

9.2. Other information

VOC content : 350 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information

ent(s) of unknown acute toxicity (Oral) ent(s) of unknown acute toxicity (Dermal) ent(s) of unknown acute toxicity (Inhalation		
xperimental value, Oral)		
eline: EU Method B.1 (Acute Toxicity (Oral))		
oxicity, 4 h, Rat, Male / female, Experimental value,		
similar to OECD 420, Rat, Male / female,		
similar to OECD 402, 24 h, Rabbit, Male / female,		
ECD 403, 4 h, Rat, Male / female, Experimental value,		
xylene, mixture of isomers (1330-20-7)		
similar to EU Method B.1, Rat, Female, Experimental		
Male, Experimental value, Dermal, 14 day(s))		
lethod B.2, 4 h, Rat, Male, Experimental value,		
1		

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ethylbenzene (100-41-4)			
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))		
LD50 dermal rabbit	15433 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))		
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP		
ATE US (oral)	3500 mg/kg bodyweight		
ATE US (dermal)	15433 mg/kg bodyweight		
ATE US (gases)	4000 ppmv/4h		
ATE US (vapours)	17.8 mg/l/4h		
ATE US (dust,mist)	1.5 mg/l/4h		
talc (14807-96-6)			
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat	> 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (aerosol), 15 day(s))		
ATE US (dust,mist)	1.5 mg/l/4h		
zinc oxide (1314-13-2)			
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))		
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))		
1,2,4-trimethylbenzene (95-63-6)			
LD50 oral rat	6000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Male, Experimental value, Oral, 014 day(s))		
LD50 dermal rat	3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)		
LD50 dermal rabbit	> 3160 mg/kg Source: International Uniform ChemicaL Information Database		
LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))		
LC50 Inhalation - Rat (Vapours)	18 mg/l Source: Corporate Solution From Thomson Micromedex		
ATE US (oral)	6000 mg/kg bodyweight		
ATE US (dermal)	3440 mg/kg bodyweight		
ATE US (gases)	4500 ppmv/4h		
ATE US (vapours)	18 mg/l/4h		
ATE US (dust,mist)	1.5 mg/l/4h		
2-butanone oxime (96-29-7)			
LD50 oral rat	2326 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))		

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2-butanone oxime (96-29-7)			
LD50 dermal rabbit	> 1000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))		
LC50 Inhalation - Rat	> 4.83 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))		
ATE US (oral)	2326 mg/kg bodyweight		
ATE US (dermal)	1100 mg/kg bodyweight		
Stoddard solvent (8052-41-3)			
LD50 oral rat	5000 mg/kg Source: ChemIDplus		
LD50 dermal rabbit	> 3000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:		
LC50 Inhalation - Rat	> 5.5 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:		
ATE US (oral)	5000 mg/kg bodyweight		
Skin corrosion/irritation :	Not classified		
iron(III) oxide (1309-37-1)			
рН	7 (5 %)		
xylene, mixture of isomers (1330-20-7)			
рН	No data available in the literature		
ethylbenzene (100-41-4)			
рН	Not applicable (non-soluble in water)		
talc (14807-96-6)			
рН	No data available in the literature		
quartz, crystalline silica (14808-60-7)			
рН	5 – 8 (40 %, 20 °C)		
zinc oxide (1314-13-2)			
рН	6.07 – 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility)		
1,2,4-trimethylbenzene (95-63-6)			
рН	No data available in the literature		
2-butanone oxime (96-29-7)			
рН	7 (10 %, 25 °C)		
Serious eye damage/irritation :	Not classified		
iron(III) oxide (1309-37-1)			
рН	7 (5 %)		
xylene, mixture of isomers (1330-20-7)			
рН	No data available in the literature		
ethylbenzene (100-41-4)			
рН	Not applicable (non-soluble in water)		

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pH No data available in the literature quartz, crystalline silica (14808-60-7) pH 5 - 8 (40 %, 20 °C) zinc oxide (1314-13-2) pH 6.07 - 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility) 1,2,4-trimethylbenzene (95-63-6) pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation : May cause an allergic skin reaction. Germ cell mutagenicity : May cause genetic defects.	talc (14807-96-6)		
pH 5 - 8 (40 %, 20 °C) 2inc oxide (1314-13-2) pH 6.07 - 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility) 1,2,4-trimethylbenzene (95-63-6) pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenitity May cause genetic defects. 2-carcinogenicity May cause genetic defects. 2-carcinogenicity May cause acancer. 2-carcinogenicity May cause genetic defects. 2-carcinogenic (100-41-4) 3- Not classifiable, 28 - Possibly carcinogenic to humans 4-carcinogenic to humans 4-ca	рН	No data available in the literature	
zinc oxide (1314-13-2) pH 6.07 - 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility) 1,2,4-trimethylbenzene (95-63-6) pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation : May cause an allergic skin reaction. Gem cell mutagenicity : May cause genetic defects. Carcinogenicity : May cause cancer. iron(III) oxide (1309-37-1) IARC group 3 - Not classifiable xylene, mixture of isomers (1330-20-7) IARC group 3 - Not classifiable ethylbenzene (100-41-4) IARC group 28 - Possibly carcinogenic to humans talc (14807-96-6) IARC group 3 - Not classifiable, 28 - Possibly carcinogenic to humans quartz, crystalline silica (14808-60-7) IARC group 1 - Carcinogenic to humans National Toxicity Program (NTP) Status Known Human Carcinogens Reproductive toxicity : Not classified \$1070-single exposure May cause respiratory irritation. 2-butanone oxime (95-29-7) \$1071-single exposure May cause respiratory irritation. 2-butanone oxime (95-29-7) \$1071-single exposure May cause drowsiness or dizziness. Hydrocarrbons, C9, aromatics (67472-95-6) \$1071-single exposure May cause drowsiness or dizziness. May cause damage to organs May cause respiratory irritation. S1071-repeated exposure May cause drowsiness or dizziness. May cause drowsiness or dizziness. May cause respiratory irritation. S1071-single exposure May cause drowsiness or dizziness. May cause drowsiness or dizziness. May cause respiratory irritation. S1071-single exposure May cause drowsiness or dizziness. May cause drowsiness or dizziness. May cause respiratory irritation. S1071-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. S1071-single exposure May cause drowsiness or dizziness. May cause drowsiness or dizziness. Hydrocarbons, C9, aromatics (67472-95-6) S1071-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	quartz, crystalline silica (14808-60-7)		
pH 6.07 - 6.55 (< 0.01 %, 20 °C. OECD 105: Water Solubility) 1,2,4-trimethylbenzene (95-63-6) pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation : May cause an allergic skin reaction. Germ call mutagenicity : May cause genetic defects. 2-carcinogenicity : May cause cancer. iron(III) oxide (1309-37-1) IARC group 3 - Not classifiable xylene, mixture of isomers (1330-20-7) IARC group 3 - Not classifiable taic (14807-96-6) IARC group 3 - Not classifiable 4 - Carcinogenic to humans 5 - Carcinogenic to humans 6 - Carcinogenic to humans 6 - Carcinogenic to humans 7 - Carcinogenic to humans 8 - Carcinogenic to humans 9 - Carcinogenic to humans 1 - Carcinogenic to humans 2 - Datanone oxinic (96-29-7) 3 - Not classified 1 - Carcinogenic to humans 2 - Not classified 1 - Carcinogenic to humans 1 - Carcinogenic to humans 2 - Not classified 2 - Carcinogenic to humans 3 - Not classified 4 - Carcinogenic to humans 4 - Carcinogenic to humans 5 - Carcinogenic to humans 5 - Carcinogenic to humans 6 - Carcinogenic to humans 7 - Carcinogenic to humans 8 - Carcinogenic to humans 8 - Carcinogenic to humans 9 - Carcinogenic	рН	5 – 8 (40 %, 20 °C)	
1.2.4-trimethylbenzene (95-63-6) pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation	zinc oxide (1314-13-2)		
pH No data available in the literature 2-butanone oxime (96-29-7) pH 7 (10 %, 25 °C) Respiratory or skin sensitisation	рН	6.07 – 6.55 (< 0.01 %, 20 °C, OECD 105: Water Solubility)	
pH 7 (10 %, 25 °C) Respiratory or skin sensitisation	1,2,4-trimethylbenzene (95-63-6)		
pH 7 (10 %, 25 °C) Respiratory or skin sensitisation : May cause an altergic skin reaction. Germ cell mutagenicity : May cause genetic defects. Carcinogenicity : May cause genetic defects. Carcinogenicity : May cause cancer. Iron(III) oxide (1309-37-1) IARC group 3 - Not classifiable xylene, mixture of isomers (1330-20-7) IARC group 3 - Not classifiable ethylbenzene (100-41-4) IARC group 28 - Possibly carcinogenic to humans talc (14807-96-6) IARC group 3 - Not classifiable, 2B - Possibly carcinogenic to humans quartz, crystalline silica (14808-60-7) IARC group 1 - Carcinogenic to humans National Toxicity Program (NTP) Status Known Human Carcinogens Reproductive toxicity STOT-single exposure May cause respiratory irritation. 2-butanone oxime (96-29-7) STOT-single exposure Causes damage to organs. May cause respiratory irritation. STOT-single exposure SMay cause drowsiness or dizziness. Hydrocarbons, C9, aromatics (67472-95-6) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. STOT-single exposure : May cause drowsiness or dizziness. May cause	рН	No data available in the literature	
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LOAEC (inhalation, rat, dust/mist/fume, 90 days) 0.2102 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study) NOAEC (inhalation, rat, dust/mist/fume, 90 days) ≥ 0.03 mg/l air Animal: rat, Animal sex: male			
STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.	NOAEC (inhalation, rat, dust/mist/fume, 90 days)	≥ 0.03 mg/l air Animal: rat, Animal sex: male	
	STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	

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solvent naphtha(petroleum), medium aliph. (6	64742-88-7)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female	
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)	
xylene, mixture of isomers (1330-20-7)		
LOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)	
ethylbenzene (100-41-4)		
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
quartz, crystalline silica (14808-60-7)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
1,2,4-trimethylbenzene (95-63-6)		
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
NOAEC (inhalation, rat, vapour, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)	
2-butanone oxime (96-29-7)		
LOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: other:	
NOAEC (inhalation, rat, vapour, 90 days)	0.09 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)	
NOAEL (subchronic, oral, animal/male, 90 days)	110 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
Stoddard solvent (8052-41-3)		
NOAEL (oral, rat, 90 days)	1056 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Remarks on results: other:	
NOAEL (dermal, rat/rabbit, 90 days)	2000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
•	Not classified	
Viscosity, kinematic : naphtha (petroleum), hydrotreated heavy (64)	No data available	
Viscosity, kinematic	< 1 mm²/s (37.8 °C)	
iron(III) oxide (1309-37-1)		
Viscosity, kinematic	Not applicable (solid)	
xylene, mixture of isomers (1330-20-7)		
Viscosity, kinematic	0.74 mm²/s (20 °C)	
ethylbenzene (100-41-4)		
Viscosity, kinematic	0.773 mm²/s (20 °C, OECD 114: Viscosity of Liquids)	

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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

talc (14807-96-6)		
Viscosity, kinematic	Not applicable (solid)	
quartz, crystalline silica (14808-60-7)		
Viscosity, kinematic	Not applicable (solid)	
zinc oxide (1314-13-2)		
Viscosity, kinematic	Not applicable (solid)	
1,2,4-trimethylbenzene (95-63-6)		
Viscosity, kinematic	0.843 mm²/s (20 °C)	
2-butanone oxime (96-29-7)		
Viscosity, kinematic	No data available in the literature	
Stoddard solvent (8052-41-3)		
Viscosity, kinematic	1.2 mm²/s (25 °C)	
Symptoms/effects after inhalation :	Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.	
Symptoms/effects after skin contact :	May cause an allergic skin reaction.	
	None under normal conditions.	
Symptoms/effects after ingestion :	None under normal conditions.	

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

naphtha (petroleum), hydrotreated heavy (64742-48-9)		
LC50 - Fish [1]	2200 mg/l Source: IUCLID	
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID	
iron(III) oxide (1309-37-1)		
LC50 - Fish [1]	≥ 50000 mg/l Source: ECHA	
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
EC50 - Other aquatic organisms [1]	> 100 mg/l Test organisms (species):	
EC50 72h - Algae [1]	> 20 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
LC50 - Fish [1]	0.14 mg/l Source: EPISUITE	
EC50 96h - Algae [1]	0.277 mg/l Source: EPISUITE	
xylene, mixture of isomers (1330-20-7)		
LC50 - Fish [1]	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)	
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia	

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xylene, mixture of isomers (1330-20-7)		
ErC50 algae	4.4 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'	
ethylbenzene (100-41-4)		
LC50 - Fish [1]	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)	
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
EC50 72h - Algae [1]	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)	
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum	
EC50 96h - Algae [1]	2.6 mg/l Source: ECHA	
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum	
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'	
talc (14807-96-6)		
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)	
EC50 96h - Algae [1]	7203 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
zinc oxide (1314-13-2)		
LC50 - Fish [1]	0.17 mg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Readacross, Zinc ion)	
EC50 - Crustacea [1]	1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Zinc ion)	
1,2,4-trimethylbenzene (95-63-6)		
LC50 - Fish [1]	7.72 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	6.14 mg/l Source: International Uniform ChemicaL Information Database	
EC50 96h - Algae [1]	2.356 mg/l (ECOSAR, Algae, Fresh water, QSAR)	
2-butanone oxime (96-29-7)		
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, Nominal concentration)	
EC50 - Crustacea [1]	201 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)	
EC50 72h - Algae [1]	≈ 11.8 mg/l Test organisms (species): Scenedesmus capricornutum	
EC50 72h - Algae [2]	≈ 6.09 mg/l Test organisms (species): Scenedesmus capricornutum	
ErC50 algae	11.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration)	
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

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Stoddard solvent (8052-41-3)		
LC50 - Fish [1]	2.5 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)	
EC50 96h - Algae [1]	0.58 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)	
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
12.2. Persistence and degradability		
Ironman Alkyd Metal Primer Red Oxide		
Persistence and degradability	Rapidly degradable	
naphtha (petroleum), hydrotreated heavy (647	742-48-9)	
Persistence and degradability	Rapidly degradable	
iron(III) oxide (1309-37-1)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
Persistence and degradability	Readily biodegradable in water.	
xylene, mixture of isomers (1330-20-7)		
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.	
ethylbenzene (100-41-4)		
Persistence and degradability	Biodegradable in the soil, Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.44 g O₂/g substance	
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance	
ThOD	3.17 g O₂/g substance	
talc (14807-96-6)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
BOD (% of ThOD)	Not applicable	
quartz, crystalline silica (14808-60-7)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
zinc oxide (1314-13-2)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	

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1,2,4-trimethylbenzene (95-63-6)		
Persistence and degradability	Not readily biodegradable in water.	
Chemical oxygen demand (COD)	0.44 g O ₂ /g substance	
2-butanone oxime (96-29-7)		
Persistence and degradability	Not readily biodegradable in water.	
Hydrocarbons, C9, aromatics (67472-95-6)		
Persistence and degradability	Rapidly degradable	
Stoddard solvent (8052-41-3)		
Persistence and degradability	Rapidly degradable	
12.3. Bioaccumulative potential		
naphtha (petroleum), hydrotreated heavy (647	742-48-9)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID	
iron(III) oxide (1309-37-1)		
Bioaccumulative potential	Not bioaccumulative.	
solvent naphtha(petroleum), medium aliph. (6	4742-88-7)	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID	
Bioaccumulative potential	No bioaccumulation data available.	
xylene, mixture of isomers (1330-20-7)		
BCF - Fish [1]	7.2 – 26 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)	
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
ethylbenzene (100-41-4)		
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
talc (14807-96-6)		
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)	
Bioaccumulative potential	Not bioaccumulative.	
quartz, crystalline silica (14808-60-7)		
Bioaccumulative potential	Not bioaccumulative.	
zinc oxide (1314-13-2)		
Bioaccumulative potential	Not bioaccumulative.	
1,2,4-trimethylbenzene (95-63-6)		
BCF - Fish [1]	243 (Pimephales promelas, QSAR)	
Partition coefficient n-octanol/water (Log Pow)	3.63 (Experimental value, KOWWIN)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	

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2-butanone oxime (96-29-7)

BCF - Fish [1]	0.5-5.8 (OECD 305C: Bioaccumulation: Test for the Degree of Bioconcentration in Fish, 42 day(s), Cyprinus carpio, Fresh water, Experimental value, GLP)		
Partition coefficient n-octanol/water (Log Pow)	0.63 (Experimental value, Equivalent or similar to OECD 117)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Stoddard solvent (8052-41-3)			
Partition coefficient n-octanol/water (Log Pow) 3.16 – 7.06			
12.4. Mobility in soil			
iron(III) oxide (1309-37-1)			
Surface tension	Not applicable (solid)		
Ecology - soil	Adsorbs into the soil.		
solvent naphtha(petroleum), medium aliph. (6	4742-88-7)		
Ecology - soil	Adsorbs into the soil.		
xylene, mixture of isomers (1330-20-7)			
Surface tension	28.01 – 29.76 mN/m (25 °C)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.7 (log Koc, Equivalent or similar to OECD 121, Read-across)		
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.		
ethylbenzene (100-41-4)			
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)		
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.		
talc (14807-96-6)			
Surface tension	Not applicable (water solubility < 1 mg/l)		
Ecology - soil	Adsorbs into the soil.		
quartz, crystalline silica (14808-60-7)			
Surface tension	No data available in the literature		
Ecology - soil	Low potential for mobility in soil.		
zinc oxide (1314-13-2)	zinc oxide (1314-13-2)		
Surface tension	No data available in the literature		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)		
Ecology - soil	Low potential for adsorption in soil.		
1,2,4-trimethylbenzene (95-63-6)			
Surface tension	No data available in the literature		

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1,2,4-trimethylbenzene (95-63-6)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.04 (log Koc, Calculated value)	
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.	
2-butanone oxime (96-29-7)		
Surface tension	30.29 mN/m (16 °C)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.55 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
Stoddard solvent (8052-41-3)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.85 – 6.74 (log Koc)	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation

Waste treatment methods

Sewage disposal recommendations

Product/Packaging disposal recommendations

Additional information

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Disposal must be done according to official regulations.
- : Disposal must be done according to official regulations.
 - Flammable vapours may accumulate in the container. Do not re-use empty containers.

SECTION 14: Transport information

DOT	IMDG	IATA
14.1. UN number		
UN1263	1263	1263
14.2. Proper Shipping Name		
Paint	PAINT	Paint
14.3. Transport hazard class(es)		
3	3	3
FLAMMABLE LIQUID	3	3
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

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DOT IMDG IATA

This Product may be re-classified as "Combustible Liquid," per 49 CFR 173.150 unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) or combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.

14.6. Special precautions for user

DOT

UN-No. (DOT) : UN1263

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DOT Special Provisions (49 CFR 172.102)

- : 367 For the purposes of documentation and package marking: a. The proper shipping name "Paint related material" may be used for consignments of packages containing "Paint" and "Paint related material" in the same package; b. The proper shipping name "Paint related material, corrosive, flammable" may be used for consignments of packages containing "Paint, corrosive, flammable" and "Paint related material, corrosive, flammable" in the same package; c. The proper shipping name "Paint related material, flammable, corrosive" may be used for consignments of packages containing "Paint, flammable, corrosive" and "Paint related material, flammable, corrosive" in the same package; and d. The proper shipping name "Printing ink related material" may be used for consignments of packages containing "Printing ink" and "Printing ink related material" in the same package.
 - B1 If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.
 - B52 Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.
 - B131 When transported by highway, rail, or cargo vessel, waste Paint and Paint related material (UN1263; PG II and PG III), when in plastic or metal inner packagings of not more than 26.5 L (7 gallons), are excepted from the marking requirements in §172.301(a) and (c) and the labeling requirements in §172.400(a), when further packed in the following specification and non-specification bulk outer packagings and under the following conditions:
 - a. Primary receptacles must conform to the general packaging requirements of subpart B of part 173 of this subchapter and may not leak. If they do leak, they must be overpacked in packagings conforming to the specification requirements of part 178 of this subchapter or in salvage packagings conforming to the requirements in §173.12 of this subchapter.
 - b. Primary receptacles must be further packed in non-specification bulk outer packagings such as cubic yard boxes, plastic rigid-wall bulk containers, dump trailers, and roll-off containers. Bulk outer packagings must be liquid tight through design or by the use of lining materials.
 - c. Primary receptacles may also be further packed in specification bulk outer packagings. Authorized specification bulk outer packagings are UN11G fiberboard intermediate bulk containers (IBC) and UN13H4 woven plastic, coated and with liner flexible intermediate bulk containers (FIBCs) meeting the Packing Group II performance level and lined with a plastic liner of at least 6 mil thickness.
 - d. All inner packagings placed inside bulk outer packagings must be blocked and braced to prevent movement during transportation that could cause the container to open or fall over. Specification IBCs and FIBCs are to be secured to a pallet.
 - IB3 Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).
 - T2 1.5 178.274(d)(2) Normal..... 178.275(d)(3)
 - TP1 The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 173
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Quantity Limitations Passenger aircraft/rail (49 : 60 L

CFR 173.27)

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DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75)

: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a **DOT Vessel Stowage Location**

passenger vessel.

: 220 L

IMDG

Special provisions (IMDG) : 163, 223, 367, 955

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 : PP1 Special packing provisions (IMDG) IBC packing instructions (IMDG) IBC03 Tank instructions (IMDG) : T2 Tank special provisions (IMDG) : TP1, TP29

EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER

Stowage category (IMDG)

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

IATA

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 60L PCA max net quantity (IATA) CAO packing instructions (IATA) 366 CAO max net quantity (IATA) 220L

Special provisions (IATA) A3, A72, A192

ERG code (IATA) : 3L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

CAS-No. 67472-95-6 < 5% Hydrocarbons, C9, aromatics

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

xylene, mixture of isomers	CAS-No. 1330-20-7	< 5%
ethylbenzene	CAS-No. 100-41-4	< 5%
1,2,4-trimethylbenzene	CAS-No. 95-63-6	< 5%

xylene, mixture of isomers (1330-20-7)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	100 lb

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ethylbenzene (100-41-4)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

15.2. International regulations

CANADA

naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on the Canadian DSL (Domestic Substances List)

iron(III) oxide (1309-37-1)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on the Canadian DSL (Domestic Substances List)

xylene, mixture of isomers (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

quartz, crystalline silica (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

zinc oxide (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List)

2-butanone oxime (96-29-7)

Listed on the Canadian DSL (Domestic Substances List)

Stoddard solvent (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

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National regulations

naphtha (petroleum), hydrotreated heavy (64742-48-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

iron(III) oxide (1309-37-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

solvent naphtha(petroleum), medium aliph. (64742-88-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

xylene, mixture of isomers (1330-20-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

talc (14807-96-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

quartz, crystalline silica (14808-60-7)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

zinc oxide (1314-13-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

1,2,4-trimethylbenzene (95-63-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2-butanone oxime (96-29-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Stoddard solvent (8052-41-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations



This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer, and N-Methylpyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

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Revision date : 7/31/2025

Full text of I	nazard classes and H-statements
H226	Flammable liquid and vapour.
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.