

# FLORIDA PAINTS Induzi Industrial Polyurethane Gloss

# Safety Data Sheet

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

SDS Reference Number: 0000000021

Issue date: 2/21/2023 Revision date: 4/25/2025 Supersedes: 2/27/2023 Version: 3.0

### **SECTION 1: Identification**

#### 1.1. Identification

Product form : Mixture

Product name : Induzi Industrial Polyurethane Gloss Product code : 5940, 5941, 5942, 5943, 5949

#### 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**

H226 Flammable liquids, Category 3 Flammable liquid and vapour. H317 May cause an allergic skin reaction. Skin sensitisation, Category 1 Germ cell mutagenicity, Category 1B H340 May cause genetic defects. Carcinogenicity, Category 1B May cause cancer. H350 Hazardous to the aquatic environment - Acute Hazard, Category 1 H400 Very toxic to aquatic life.

Hazardous to the aquatic environment - Chronic Hazard, Category 1 H410 Very 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.

H340 - May cause genetic defects.

H350 - May cause cancer.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

: P101 - If medical advice is needed, have product container or label at hand. Precautionary statements (GHS US)

P102 - Keep out of reach of children.

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.

## Safety Data Sheet

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

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.

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

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.

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

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)

89.16% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

96.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

66.96% 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
titanium(IV) oxide	CAS-No.: 13463-67-7	20 – 30	Carc. 2, H351
solvent naphtha(petroleum), medium aliph.	CAS-No.: 64742-88-7	10 – 20	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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

## Safety Data Sheet

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

Name	Product identifier	%	GHS US classification
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
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
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
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
cobalt(II) 2-ethylhexanoate	CAS-No.: 136-52-7	< 5	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

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.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

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.

## Safety Data Sheet

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

### **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.

### **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 contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

4/25/2025 (Revision date) EN (English) 4/21

## Safety Data Sheet

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

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

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	
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	
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	

# Safety Data Sheet

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

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

## 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):







## Safety Data Sheet

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

### **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 : No data available
Freezing point : No data available
Boiling point : No data available
No data available

Flash point : 108 °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 Decomposition temperature : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic Explosive limits : No data available Explosive properties : No data available Oxidising properties : No data available

### 9.2. Other information

No additional information available

### **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.

# Safety Data Sheet

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

# **SECTION 11: Toxicological information**

11.1. Information on toxicological effects		
Acute toxicity (dermal) :	Not classified Not classified Not classified	
Induzi Industrial Polyurethane Gloss		
Unknown acute toxicity (GHS US)	89.16% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 96.83% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 66.96% 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	
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	
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	
solvent naphtha(petroleum), medium 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))	

# Safety Data Sheet

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

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	
ATE US (gases)	5922 ppmv/4h	
ATE US (vapours)	11 mg/l/4h	
ATE US (dust,mist)	1.5 mg/l/4h	
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	
naphtha (petroleum), hydrotreated heavy (64742-48-9)		
LD50 oral rat	> 15000 mg/kg Source: IUCLID	
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID	
cobalt(II) 2-ethylhexanoate (136-52-7)		
LD50 oral rat	3129 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, 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 of similar product, Dermal, 15 day(s))	
LC50 Inhalation - Rat	> 2000 mg/kg	
ATE US (oral)	3129 mg/kg bodyweight	
Skin corrosion/irritation :	Not classified	
titanium(IV) oxide (13463-67-7)		
рН	7 (aqueous suspension, 10 %)	
2-butanone oxime (96-29-7)		
рН	7 (10 %, 25 °C)	
xylene, mixture of isomers (1330-20-7)		
рН	No data available in the literature	

# Safety Data Sheet

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

ethylbenzene (100-41-4)		
рН	Not applicable (non-soluble in water)	
cobalt(II) 2-ethylhexanoate (136-52-7)		
рН	6.8 (4.03 %, 20 °C, OECD 105: Water Solubility)	
Serious eye damage/irritation :	Not classified	
titanium(IV) oxide (13463-67-7)		
pH	7 (aqueous suspension, 10 %)	
2-butanone oxime (96-29-7)		
pH	7 (10 %, 25 °C)	
xylene, mixture of isomers (1330-20-7)		
рН	No data available in the literature	
ethylbenzene (100-41-4)		
pH	Not applicable (non-soluble in water)	
cobalt(II) 2-ethylhexanoate (136-52-7)		
pH	6.8 (4.03 %, 20 °C, OECD 105: Water Solubility)	
Respiratory or skin sensitisation :	May cause an allergic skin reaction.	
Germ cell mutagenicity :	May cause genetic defects.	
Carcinogenicity :	May cause cancer.	
titanium(IV) oxide (13463-67-7)		
IARC group	2B - Possibly carcinogenic to humans	
xylene, mixture of isomers (1330-20-7)		
IARC group	3 - Not classifiable	
ethylbenzene (100-41-4)		
IARC group	2B - Possibly carcinogenic to humans	
,	Not classified	
STOT-single exposure :	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)	
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)	

# Safety Data Sheet

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

2-butanone oxime (96-29-7)		
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
solvent naphtha(petroleum), medium aliph. (6	4742-88-7)	
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.	
•	Not classified No data available	
Stoddard solvent (8052-41-3)		
Viscosity, kinematic	1.2 mm²/s (25 °C)	
titanium(IV) oxide (13463-67-7)		
Viscosity, kinematic	Not applicable (solid)	
2-butanone oxime (96-29-7)		
Viscosity, kinematic	No data available in the literature	
xylene, mixture of isomers (1330-20-7)		
Viscosity, kinematic	0.74 mm <sup>2</sup> /s (20 °C)	
ethylbenzene (100-41-4)		
Viscosity, kinematic	0.773 mm²/s (20 °C, OECD 114: Viscosity of Liquids)	
naphtha (petroleum), hydrotreated heavy (64742-48-9)		
Viscosity, kinematic	< 1 mm²/s (37.8 °C)	
cobalt(II) 2-ethylhexanoate (136-52-7)		
Viscosity, kinematic	Not applicable (solid)	
Symptoms/effects after skin contact :	May cause an allergic skin reaction.	

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : Very 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)

# Safety Data Sheet

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

Stoddard solvent (8052-41-3)		
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 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)	
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'	
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	
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'	

# Safety Data Sheet

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

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	
cobalt(II) 2-ethylhexanoate (136-52-7)		
LC50 - Fish [1]	0.8 mg/l (Oncorhynchus mykiss, Fresh water, Literature study, Cobalt)	
EC50 72h - Algae [1]	0.654 mg/l Source: ECHA registration data	
ErC50 algae	144 μg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)	

## 12.2. Persistence and degradability

Rapidly degradable		
Stoddard solvent (8052-41-3)		
Rapidly degradable		
Biodegradability: not applicable.		
Not applicable (inorganic)		
Not applicable (inorganic)		
Not readily biodegradable in water.		
solvent naphtha(petroleum), medium aliph. (64742-88-7)		
Readily biodegradable in water.		
Biodegradable in the soil, Readily biodegradable in water.		
ethylbenzene (100-41-4)		
Biodegradable in the soil, Readily biodegradable in water.		
1.44 g O <sub>2</sub> /g substance		
2.1 g O <sub>2</sub> /g substance		
3.17 g O <sub>2</sub> /g substance		
naphtha (petroleum), hydrotreated heavy (64742-48-9)		
Rapidly degradable		
cobalt(II) 2-ethylhexanoate (136-52-7)		
Readily biodegradable in water.		

# 12.3. Bioaccumulative potential

Stoddard solvent (8052-41-3)	
Partition coefficient n-octanol/water (Log Pow)	3.16 – 7.06

# Safety Data Sheet

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

titanium(IV) oxide (13463-67-7)			
Bioaccumulative potential	Not bioaccumulative.		
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).		
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.		
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).		
naphtha (petroleum), hydrotreated heavy (64	naphtha (petroleum), hydrotreated heavy (64742-48-9)		
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID		
cobalt(II) 2-ethylhexanoate (136-52-7)			
BCF - Fish [1]	1.2 (131 day(s), Seriola quinqueradiata, Static system, Salt water, Read-across, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow)	2.96 Source: ECHA		
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)	
titanium(IV) oxide (13463-67-7)		
Surface tension	No data available in the literature	
Ecology - soil	Low potential for mobility in soil.	
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.	

# Safety Data Sheet

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

solvent naphtha(petroleum), medium aliph. (64742-88-7)		
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.	
cobalt(II) 2-ethylhexanoate (136-52-7)		
Surface tension	64.43 mN/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Low potential for mobility in soil.	

### 12.5. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

## 13.1. Disposal methods

Waste treatment methods Additional information

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

: Flammable vapours may accumulate in the container.

# **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
RAMMARLE LIQUID	3	33

# Safety Data Sheet

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

DOT	IMDG	IATA
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
No supplementary information available	1	

# 14.6. Special precautions for user

DOT

UN-No. (DOT) : UN1263

## Safety Data Sheet

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

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)

## Safety Data Sheet

Tank special provisions (IMDG)

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

DOT Quantity Limitations Cargo aircraft only (49

CFR 175.75)

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

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

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T2

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) : A

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

: TP1, TP29

**IATA** 

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

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 RO	100 lb	

ethylbenzene (100-41-4)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb

## Safety Data Sheet

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

### 15.2. International regulations

#### **CANADA**

#### Stoddard solvent (8052-41-3)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

### **2-butanone oxime (96-29-7)**

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)

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

Listed on the Canadian DSL (Domestic Substances List)

### cobalt(II) 2-ethylhexanoate (136-52-7)

Listed on the Canadian DSL (Domestic Substances List)

### **EU-Regulations**

No additional information available

# National regulations

## Stoddard solvent (8052-41-3)

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)

## **2-butanone oxime (96-29-7)**

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)

## Safety Data Sheet

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

### 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)

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

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### cobalt(II) 2-ethylhexanoate (136-52-7)

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**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 4/25/2025

Full text of I	Full text of hazard 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.	
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.	

# Safety Data Sheet

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

Full text of hazard classes and H-statements	
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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.