



# DOLPHIN ONE FILL BODY FILLER

## Safety Data Sheet DOF-US-SDS

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Trade name : DOLPHIN ONE FILL BODY FILLER  
 UP Number : UP0659, UP0660

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fillers, putties, plasters, modeling clay  
 Recommended use : Fillers

#### 1.3. Supplier

U-POL US Inc  
 108 Commerce Way  
 Easton, PA 18040 - United States  
 T 1-800-340-7824 - F 1-800-787-5150  
[technicalsupport@u-pol.com](mailto:technicalsupport@u-pol.com) - [www.u-pol.com](http://www.u-pol.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - 1-800-424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 2	Causes serious eye irritation
Carcinogenicity Category 2	Suspected of causing cancer
Reproductive toxicity Category 2	Suspected of damaging fertility or the unborn child
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation
Specific target organ toxicity (repeated exposure) Category 1	Causes damage to organs through prolonged or repeated exposure

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Causes skin irritation  
 Causes serious eye irritation  
 May cause respiratory irritation  
 Suspected of causing cancer  
 Suspected of damaging fertility or the unborn child  
 Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Do not breathe vapors, fume.  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection, protective clothing, protective gloves.  
 If on skin: Wash with plenty of water.  
 If inhaled: Remove person to fresh air and keep comfortable for breathing.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If exposed or concerned: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 Store in a well-ventilated place. Keep container tightly closed.

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Store locked up.  
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

### 2.4. Unknown acute toxicity (GHS US)

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
talco	(CAS-No.) 14807-96-6	23 – 43	Carc. 2, H351
styrene	(CAS-No.) 100-42-5	5 – 43	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 Repr. 2, H361 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate	(CAS-No.) 6846-50-0	< 5	Repr. 2, H361 Aquatic Chronic 3, H412
Ethylbenzene	(CAS-No.) 100-41-4	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
2,2'-iminodiethanol, diethanolamine	(CAS-No.) 111-42-2	< 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373

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. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.

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

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

### 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.

### 5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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### 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 : Ventilate spillage area. Do not breathe vapors, fume. Avoid contact with skin and eyes.

#### 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.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. 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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapors, fume. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.  
Hygiene measures : 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

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
Storage temperature : < 25 °C

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

styrene (100-42-5)		
ACGIH	Local name	Styrene
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	ACGIH OEL STEL [ppm]	40 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: CNS & hearing impair; URT irr; peripheral neuropathy; visual disorders. Notations: OTO; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2021
OSHA	OSHA PEL (TWA) [2]	100 ppm
OSHA	OSHA PEL C [ppm]	200 ppm
OSHA	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	600 ppm 5 mins. in any 3 hrs.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2
2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)		
Not applicable		
2,2'-iminodiethanol, diethanolamine (111-42-2)		
ACGIH	Local name	Diethanolamine
ACGIH	ACGIH OEL TWA	1 mg/m <sup>3</sup> (Inhalable fraction and vapor)

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<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>		
ACGIH	Remark (ACGIH)	TLV® Basis: Liver & kidney dam. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH	Regulatory reference	ACGIH 2021
<b>Ethylbenzene (100-41-4)</b>		
ACGIH	Local name	Ethylbenzene
ACGIH	ACGIH OEL TWA [ppm]	20 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2021
OSHA	OSHA PEL (TWA) [1]	435 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) [2]	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>talc (14807-96-6)</b>		
ACGIH	Local name	Talc
ACGIH	ACGIH OEL TWA	2 mg/m <sup>3</sup> (Respirable fraction. The value is for particulate matter containing no asbestos and < 1% crystalline silica)
ACGIH	ACGIH OEL TWA [ppm]	0.1 fibers/cm <sup>3</sup> (Containing asbestos fibers. F - Respirable fibers)
ACGIH	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)
ACGIH	Regulatory reference	ACGIH 2021
OSHA	OSHA PEL (TWA) [2]	20 mppcf
OSHA	Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

### 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

Type	Material	Permeation	Thickness (mm)	Penetration
Protective gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR), Polyvinylalcohol (PVA), Viton	6 (> 480 minutes)	0.4	

#### Eye protection:

Safety glasses

Type	Field of application	Characteristics
Safety glasses	Dust	clear

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

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Wear respiratory protection.

Device	Filter type	Condition
Breathing apparatus, Gas filters	Type A - High-boiling (>65 °C) organic compounds	vapor protection

Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid	
Appearance	: Paste.	
Color	: Off-white	
Odor	: aromatic	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
Boiling point	: No data available	
Flash point	: 32 °C (does not sustain combustion)	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: Not applicable	
Density	: 1.145 (1.125 – 1.165) g/cm <sup>3</sup>	
Solubility	: No data available	
Partition coefficient n-octanol/water (Log Pow)	: No data available	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
No data available	Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: 75000 (70000 – 80000) cP	
Explosion limits	: Not applicable	
Explosive properties	: No data available	
Oxidizing properties	: No data available	

### 9.2. Other information

As Packaged Regulatory VOC	: 191 g/l (1.65 lb/gal)
As Packaged Actual VOC	: 191 g/l (1.65 lb/gal)
As Applied Regulatory VOC	: 40 g/l (0.35 lb/gal)
As Applied Actual VOC	: 40 g/l (0.35 lb/gal)
Water Content	: 0 wt%
Exempt Compounds by volume	: 0 vol %
Exempt Compounds by weight	: 0 wt%
Volatiles	: 17.7 wt%
% EPA HAPS	: 17.88 wt%
Percent Solids	: 82.27 wt%
Percent Solids	: 73.61 vol %

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 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

None under recommended storage and handling conditions (see section 7).

#### 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) : Not classified

<b>styrene (100-42-5)</b>	
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	11.8 mg/l (4 h, Rat, Inconclusive, insufficient data, Inhalation (vapours))
ATE US (vapors)	11.8 mg/l/4h
ATE US (dust, mist)	11.8 mg/l/4h

<b>2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)</b>	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD50 dermal rabbit	> 2000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 0.12 mg/l

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
LD50 oral rat	1600 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
ATE US (oral)	1600 mg/kg body weight

<b>Ethylbenzene (100-41-4)</b>	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	15432 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))
ATE US (oral)	3500 mg/kg body weight
ATE US (dermal)	15432 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	17.8 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

<b>talc (14807-96-6)</b>	
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (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, Inhalation (aerosol), 15 day(s))

Skin corrosion/irritation : Causes skin irritation.

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Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

<b>styrene (100-42-5)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
NOAEL (chronic,oral,animal/male,2 years)	64 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Remarks on results: other:Effect type: carcinogenicity (migrated information)
IARC group	2B - Possibly carcinogenic to humans

<b>Ethylbenzene (100-41-4)</b>	
IARC group	2B - Possibly carcinogenic to humans

<b>talc (14807-96-6)</b>	
IARC group	3 - Not classifiable, 2B - Possibly carcinogenic to humans

Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: May cause respiratory irritation.

<b>styrene (100-42-5)</b>	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
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<b>styrene (100-42-5)</b>	
LOAEL (oral, rat, 90 days)	2000 mg/kg body weight Animal: rat
LOAEC (inhalation, rat, vapor, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg body weight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg body weight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

<b>2,2,4-trimethyl-1,3-pentanediolediisobutyrate (6846-50-0)</b>	
NOAEL (subacute, oral, animal/male, 28 days)	300 mg/kg body weight

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
LOAEL (dermal, rat/rabbit, 90 days)	32 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.003 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

<b>Ethylbenzene (100-41-4)</b>	
NOAEL (oral, rat, 90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	: Not classified
Viscosity, kinematic	: Not applicable
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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<b>styrene (100-42-5)</b>	
LC50 - Fish [1]	10 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
ErC50 algae	4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

<b>2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)</b>	
EC50 - Crustacea [1]	> 1.46 mg/l Test organisms (species): Daphnia magna
ErC50 algae	7.49 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Greater than the water solubility)
LOEC (chronic)	1.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
LC50 - Fish [1]	460 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	30.1 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Crustacea [2]	89.9 mg/l Test organisms (species): Ceriodaphnia dubia
ErC50 algae	9.5 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
LOEC (chronic)	1.56 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.78 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 1 mg/l Test organisms (species): other:freshwater fish

<b>Ethylbenzene (100-41-4)</b>	
LC50 - Fish [1]	5.1 mg/l Test organisms (species): Menidia menidia
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
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'

<b>talc (14807-96-6)</b>	
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)

### 12.2. Persistence and degradability

<b>styrene (100-42-5)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O <sub>2</sub> /g substance
ThOD	3.07 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.42 (Literature study)

<b>2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)</b>	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.4 g O <sub>2</sub> /g substance

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.22 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.52 g O <sub>2</sub> /g substance
ThOD	2.13 g O <sub>2</sub> /g substance

<b>Ethylbenzene (100-41-4)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance
ThOD	3.17 g O <sub>2</sub> /g substance



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<b>talc (14807-96-6)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

<b>styrene (100-42-5)</b>	
BCF - Fish [1]	35.5 (Carassius auratus, Literature study)
Partition coefficient n-octanol/water (Log Pow)	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)</b>	
BCF - Fish [1]	5340 (OECD 305: Bioconcentration: Flow-Through Fish Test, 23 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	4.04 – 4.91 (QSAR, 25 °C)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
BCF - Fish [1]	3.162 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-2.18 – -1.43 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.

<b>Ethylbenzene (100-41-4)</b>	
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).

<b>talc (14807-96-6)</b>	
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

### 12.4. Mobility in soil

<b>styrene (100-42-5)</b>	
Surface tension	0.032 N/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.55 (log Koc, Estimated value)
Ecology - soil	Low potential for adsorption in soil.

<b>2,2,4-trimethyl-1,3-pentanediodiisobutyrate (6846-50-0)</b>	
Surface tension	27.8 mN/m (22 °C, 100 vol %, EU Method A.5: Surface tension)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.6 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.

<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.98 – 1 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

<b>Ethylbenzene (100-41-4)</b>	
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.

<b>talc (14807-96-6)</b>	
Ecology - soil	Adsorbs into the soil.

### 12.5. Other adverse effects

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

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

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

#### Transportation of Dangerous Goods

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### styrene (100-42-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

##### 2,2,4-trimethyl-1,3-pentanediolediisobutyrate (6846-50-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

##### 2,2'-iminodiethanol, diethanolamine (111-42-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 100 lb

##### Ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

##### talc (14807-96-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### 15.2. International regulations

##### CANADA

##### styrene (100-42-5)

Listed on the Canadian DSL (Domestic Substances List)

##### 2,2,4-trimethyl-1,3-pentanediolediisobutyrate (6846-50-0)

Listed on the Canadian DSL (Domestic Substances List)

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<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Ethylbenzene (100-41-4)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>talc (14807-96-6)</b>
Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

<b>styrene (100-42-5)</b>
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)
<b>2,2'-iminodiethanol, diethanolamine (111-42-2)</b>
Listed on IARC (International Agency for Research on Cancer)
<b>Ethylbenzene (100-41-4)</b>
Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

styrene (100-42-5)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	27 µg/day	
2,2'-iminodiethanol, diethanolamine (111-42-2)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		
Ethylbenzene (100-41-4)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	54 µg/day (inhalation); 41 µg/day (oral)	

Component	State or local regulations
styrene(100-42-5)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Ethylbenzene(100-41-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
talc(14807-96-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
2,2'-iminodiethanol, diethanolamine(111-42-2)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

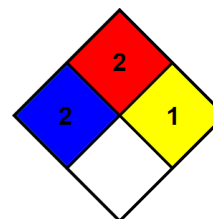
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 02/11/2021

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.



SDS US GHS (GHS HazCom2012)

*For professional use only.*

*The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied warranty of fitness for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially alter the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.*