

Safety Data Sheet

TECNOTOP 1 C

Safety Data Sheet dated: 12/01/2023 - version 1

Date of first edition: 12/01/2023

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: TECNOTOP 1 C

Trade code: 904TM9990

Recommended use of the chemical and restrictions on use

Recommended use: Solvent-borne protective paint

Restrictions on use: Data not available.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: Polyglass U.S.A. Inc.

1111 West Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 866-222-9782

Responsible: RDProductSafety@mapei.com

Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

2. HAZARD(S) IDENTIFICATION



Classification of the chemical

Flammable Liquids — Category 3

Flammable liquid and vapour.

Skin Sensitization, Category 1

May cause an allergic skin reaction.

Carcinogenicity, Category 2

Suspected of causing cancer.

Specific target organ toxicity following single exposure, Category 3

May cause respiratory irritation.

Specific target organ toxicity following single exposure, Category 3

May cause drowsiness or dizziness.

Chronic (long term) aquatic hazard, category 2

Toxic to aquatic life with long lasting effects.

Label elements

Hazard pictograms and Signal Word



Warning

Hazard statements

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

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

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

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 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 if you feel unwell.
P321	Specific treatment (see supplementary instructions 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 a foam fire extinguisher to extinguish.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

This product contains titanium dioxide which IARC has classified as a Group 2B carcinogen (possibly carcinogenic to humans). Evidence is based on sufficient animal testing as a result of long-term inhalation at high concentrations of respirable amounts of titanium dioxide. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a dust hazard)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Not Relevant

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

Qty	Name	Ident. Numb.	Classification	Registration Number
25-50 %	naphthenic oil; Low boiling point naphtha - unspecified	CAS:64742-95-6, 128601-23-0 EC:265-199-0 Index:649-356-00-4	STOT SE 3, H335; STOT SE 3, H336; Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	01-2119486773-24-XXXX
10-20 %	titanium dioxide; Dioxotitanium	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	Carc. 2, H351	01-2119489379-17-XXXX
0.1-0.25 %	n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester	CAS:97-88-1 EC:202-615-1 Index:607-033-00-5	Flam. Liq. 3, H226; Eye Irrit. 2A, H319; STOT SE 3, H335; Skin Irrit. 2, H315; Aquatic Acute 3, H402; Skin Sens. 1, H317	01-2119486394-28-XXXX
0.1-0.25 %	methyl methacrylate; methyl 2-methylprop-2-enoate	CAS:80-62-6 EC:201-297-1 Index:607-035-00-6	Flam. Liq. 2, H225; STOT SE 3, H335; Skin Irrit. 2, H315; Skin Sens. 1, H317	01-2119452498-28-XXXX
0.1-0.25 %	fatty acids, C14-18 and C16-18-unsatd., maleated	CAS:85711-46-2 EC:288-306-2	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319	01-2119976378-19-xxxx

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Obtain medical attention if skin related symptoms persist.
- Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

- Wash immediately with water.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms/effects, acute and delayed

Not available

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

- (see paragraph 4.1)
-

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

- In case of fire, use a foam fire extinguisher to extinguish.

Unsuitable extinguishing media:

- None in particular.

Specific hazards arising from the chemical

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: Not available
- Explosive properties: Not available
- Oxidizing properties: Not available

Special protective equipment and precautions for fire-fighters

- Use suitable breathing apparatus.
 - Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 - Move undamaged containers from immediate hazard area if it can be done safely.
-

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove all sources of ignition.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Provide adequate ventilation.
- Use appropriate respiratory protection.
- Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
- Limit leakages with earth or sand.

Methods and material for containment and cleaning up

- Suitable material for taking up: absorbing material, organic, sand
 - Retain contaminated washing water and dispose it.
-

7. HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Exercise the greatest care when handling or opening the container.
- Do not use on extensive surface areas in premises where there are occupants.
- Use localized ventilation system.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

Store in a well-ventilated place. Keep cool.

Avoid direct exposure to sunlight.

Opened containers must be carefully resealed and kept upright to prevent leakage.

Flammable mixtures may accumulate within the headspace of containers at room temperature.

Storage at higher temperatures requires an appropriate evaluation of preventive and protection measures to be adopted.

Storage temperature must be defined on the basis of a proper risk evaluation. Refer to other sections for additional information.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Electrical installations / working materials must comply with the technological safety standards.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Storage temperature: Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
titanium dioxide; Dioxotitanium CAS: 13463-67-7	ACGIH		Long Term: 10 mg/m ³ A4 - LRT irr
	MAK	GERMANY	Long Term: 0.3 mg/m ³
	OSHA		Long Term: 15 mg/m ³
	ACGIH		Long Term: 10 mg/m ³ A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation
	MAK	AUSTRIA	Long Term: 5 mg/m ³ ; Short Term: 10 mg/m ³
	MAK	SWITZERLAND	Long Term: 3 mg/m ³
methyl methacrylate; methyl 2-methylprop-2-enoate CAS: 80-62-6	EU		Long Term: 50 ppm; Short Term: 100 ppm
	ACGIH		Long Term: 50 ppm; Short Term: 100 ppm DSEN, A4 - URT and eye irr, body weight eff, pulm edema
	OSHA		Long Term: 410 mg/m ³ - 100 ppm
	ACGIH		Long Term: 50 ppm; Short Term: 100 ppm A4 - Not Classifiable as a Human Carcinogen;body weight effects;eye and upper respiratory tract irritation;pulmonary edema;dermal sensitizer
	EU		Long Term: 50 ppm; Short Term: 100 ppm Behaviour Indicative
	MAK	GERMANY	Long Term: 210 mg/m ³ - 50 ppm
	OSHA		Long Term: 410 mg/m ³ - 100 ppm
	ACGIH		Long Term: 50 ppm; Short Term: 100 ppm A4 - Not Classifiable as a Human Carcinogen;body weight effects;eye and upper respiratory tract irritation;pulmonary edema;dermal sensitizer
	MAK	AUSTRIA	Long Term: 210 mg/m ³ - 50 ppm; Short Term: 420 mg/m ³ - 100 ppm
	MAK	SWITZERLAND	Long Term: 210 mg/m ³ - 50 ppm

Predicted No Effect Concentration (PNEC) values

titanium dioxide; Dioxotitanium CAS: 13463-67-7	Exposure Route: Fresh Water; PNEC Limit: 0.184 mg/l
	Exposure Route: Soil; PNEC Limit: 100 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
	Exposure Route: Marine water; PNEC Limit: 0.0184 mg/l
	Exposure Route: Marine water sediments; PNEC Limit: 100 mg/kg
	Exposure Route: Freshwater sediments; PNEC Limit: 1000 mg/kg
	Exposure Route: Intermittent release; PNEC Limit: 0.193 mg/l
n-butyl methacrylate; 2- Propenoic acid, 2- methyl-, butyl ester CAS: 97-88-1	Exposure Route: Fresh Water; PNEC Limit: 0.17 mg/l
methyl methacrylate; methyl 2-methylprop-2- enoate CAS: 80-62-6	Exposure Route: Fresh Water; PNEC Limit: 0.94 mg/l
	Exposure Route: Marine water; PNEC Limit: 0.94 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 5.74 mg/kg
	Exposure Route: Soil; PNEC Limit: 1.47 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 10 mg/l

Derived No Effect Level (DNEL) values

titanium dioxide; Dioxotitanium CAS: 13463-67-7	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 10 mg/m ³ ; Worker Professional: 10 mg/m ³
	Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects Consumer: 700 mg/kg
n-butyl methacrylate; 2- Propenoic acid, 2- methyl-, butyl ester CAS: 97-88-1	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 409 mg/m ³
	Exposure Route: Human Dermal; Exposure Frequency: Long Term (repeated) Worker Industry: 5 mg/kg
methyl methacrylate; methyl 2-methylprop-2- enoate CAS: 80-62-6	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Industry: 210 mg/m ³ ; Consumer: 200 mg/m ³
	Exposure Route: Human Dermal; Exposure Frequency: Long Term, local effects Worker Industry: 1.5 mg/cm ² ; Consumer: 1.5 mg/cm ²
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Industry: 210 mg/m ³ ; Consumer: 74.3 mg/m ³
	Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Industry: 13.67 mg/kg; Consumer: 8.2 mg/kg
	Exposure Route: Human Dermal; Exposure Frequency: Short Term, local effects Worker Industry: 1.5 mg/cm ² ; Consumer: 1.5 mg/cm ²

Appropriate engineering controls: Not available

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness $\geq 0,5$ mm; breakthrough time ≥ 480 min.

Nitrile rubber - NBR: thickness $\geq 0,35\text{mm}$; breakthrough time $\geq 480\text{min}$.

Butyl rubber - IIR: thickness $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

Fluorinated rubber - FKM: thickness $\geq 0,4\text{mm}$; breakthrough time $\geq 480\text{min}$.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: viscous liquid colourless

Odour: DXZH00037

Odour threshold: No data available

pH: No data available

Melting point / freezing point: No data available

Initial boiling point and boiling range: 145 °C (293 °F)

Flash point: 38 °C (100 °F)

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: 1,18 g/cm³

Solubility in water: insoluble

Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: 1.000,00 cPs

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

Other information

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological Information of the Preparation

- | | |
|------------------------------|--|
| a) acute toxicity | Not classified
Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation | Not classified
Based on available data, the classification criteria are not met |

c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	The product is classified: Carcinogenicity, Category 2(H351)
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: Specific target organ toxicity following single exposure, Category 3(H335), Specific target organ toxicity following single exposure, Category 3(H336)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

naphthenic oil; Low boiling point naphtha - unspecified	a) acute toxicity	LD50 Skin Rabbit > 2000 mg/kg
		LD50 Oral Rat = 3492 mg/kg
		LC50 Inhalation Vapour Rat = 6193 mg/m3
titanium dioxide; Dioxotitanium	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rat > 2000 mg/m3
		LC50 Inhalation Dust Rat > 6.82 mg/l 4h
		LD50 Skin Rabbit > 10000 mg/kg
n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LC50 Inhalation Rat = 29 mg/l
		LD50 Skin Rabbit > 2000 mg/kg
		LD50 Skin Rabbit = 11300 mg/kg
		LC50 Inhalation Rat = 4910 ppm 4h
		LD50 Oral Rat = 16 g/kg
		LD50 Skin Rabbit = 11300 mg/kg
methyl methacrylate; methyl 2-methylprop-2-enoate	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
		LD50 Skin Rabbit > 5000 mg/kg
		LC50 Inhalation Rat = 29.8 mg/l
fatty acids, C14-18 and C16-18-unsatd., maleated	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
	g) reproductive toxicity	NOAEL Oral Rat > 1000 mg/kg

Substance(s) listed on the IARC Monographs:

titanium dioxide; Dioxotitanium	Group 2B
methyl methacrylate; methyl 2-methylprop-2-enoate	Group 3

Substance(s) listed as OSHA Carcinogen(s):

titanium dioxide; Dioxotitanium

Substance(s) listed as NIOSH Carcinogen(s):

titanium dioxide; Dioxotitanium

Substance(s) listed on the NTP report on Carcinogens:

None

12. ECOLOGICAL INFORMATION

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

The product is classified: Chronic (long term) aquatic hazard, category 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
naphthenic oil; Low boiling point naphtha - unspecified	CAS: 64742-95-6, 128601-23-0 - EINECS: 265-199-0 - INDEX: 649-356-00-4	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 9.22 mg/L 96h IUCLID a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 21.3 mg/L 48h IUCLID
titanium dioxide; Dioxotitanium	CAS: 13463-67-7 - EINECS: 236-675-5 - INDEX: 022-006-00-2	a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 16 mg/L 72 a) Aquatic acute toxicity : NOEC Algae = 5600 mg/L 72 a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48h
n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester	CAS: 97-88-1 - EINECS: 202-615-1 - INDEX: 607-033-00-5	a) Aquatic acute toxicity : EC50 Daphnia = 25 mg/L 48h b) Aquatic chronic toxicity : NOEC Daphnia = 1.1 mg/L - 21d a) Aquatic acute toxicity : EC50 Algae = 31.2 mg/L 72h a) Aquatic acute toxicity : NOEC Algae = 24.8 mg/L 72 a) Aquatic acute toxicity : EC50 Bacteria > 253.6 mg/L 18 a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 32 mg/L 48h IUCLID
methyl methacrylate; methyl 2-methylprop-2-enoate	CAS: 80-62-6 - EINECS: 201-297-1 - INDEX: 607-035-00-6	a) Aquatic acute toxicity : EC50 Algae = 110 mg/L 72h ECHA a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 69 mg/L 48h ECHA a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96h ECHA
fatty acids, C14-18 and C16-18-unsatd., maleated	CAS: 85711-46-2 - EINECS: 288-306-2	a) Aquatic acute toxicity : LC50 Fish > 150 mg/L 48 a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48 a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72 c) Bacteria toxicity : EC50 Bacteria > 1000 mg/L 3 a) Aquatic acute toxicity : LC50 Fish Danio rerio > 100 mg/L 96h ECHA

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

14. TRANSPORT INFORMATION

UN number

DOT-UN Number: UN1139

ADR-UN number: 1139

IATA-Un number: 1139

IMDG-Un number: 1139

UN proper shipping name

DOT-Proper Shipping Name: Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining) (hydrocarbons, C9, aromatics)

ADR-Shipping Name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under coating, drum or barrel lining) (having a flash-point below 23 °C and viscous according to 2.2.3.1.4) (vapour pressure at 50 °C more than 110 kPa, boiling point of more than 35 °C) (hydrocarbons, C9, aromatics)

IATA-Technical name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining) (hydrocarbons, C9, aromatics)

IMDG-Technical name: COATING SOLUTION (includes surface treatments or coatings used for industrial or other purposes such as vehicle under-coating, drum or barrel lining) (hydrocarbons, C9, aromatics)

Transport hazard class(es)

DOT-Hazard Class: 3

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

Packing group

DOT Packing Group: III

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

Marine pollutant: Yes

Environmental Pollutant: Not Applicable

DOT-RQ: Not Applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): B1, IB3, T2, TP1

DOT-Label(s): 3

DOT-Symbol: N/A

DOT-Cargo Aircraft: N/A

DOT-Passenger Aircraft: N/A

DOT-Bulk: N/A

DOT-Non-Bulk: N/A

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: 30

ADR-Transport category (Tunnel restriction code): 3 (D/E)

Air (IATA) :

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IATA-Label: 3

IATA-Subsidiary hazards: -

IATA-Erg: 3L

IATA-Special Provisioning: A3

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 955

IMDG-EMS: F-E, S-E

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

TSCA listed substances:

naphthenic oil; Low boiling point is listed in TSCA Section 8b
naphtha - unspecified

titanium dioxide; Dioxotitanium is listed in TSCA Section 8b

n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester is listed in TSCA Section 8b Section 8a - PAIR Section 5

methyl methacrylate; methyl 2-methylprop-2-enoate is listed in TSCA Section 8b Section 5

fatty acids, C14-18 and C16-18-unsatd., maleated is listed in TSCA Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

methyl methacrylate; methyl 2-methylprop-2-enoate

Section 313 - Toxic chemical list:

methyl methacrylate; methyl 2-methylprop-2-enoate

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

methyl methacrylate; methyl 2-methylprop-2-enoate Reportable quantity: 1000 pounds

CAA - Clean Air Act

CAA listed substances:

methyl methacrylate; methyl 2- is listed in CAA Section 112(b) - HAP Section 112(b) - HON

methylprop-2-enoate

CWA - Clean Water Act

CWA listed substances:

methyl methacrylate; methyl 2- is listed in CWA Section 311
methylprop-2-enoate

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

titanium dioxide; Dioxititanium Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

titanium dioxide; Dioxititanium
n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester
methyl methacrylate; methyl 2-methylprop-2-enoate

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

titanium dioxide; Dioxititanium
n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester
methyl methacrylate; methyl 2-methylprop-2-enoate

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

titanium dioxide; Dioxititanium
n-butyl methacrylate; 2-Propenoic acid, 2-methyl-, butyl ester
methyl methacrylate; methyl 2-methylprop-2-enoate

Canada - Federal regulations

DSL - Domestic Substances List

Not compliant to DSL inventory

NDSL - Non Domestic Substances List

Not compliant to NDSL inventory

NPRI - National Pollutant Release Inventory

NPRI (National Pollutant Release Inventory) - List of substances listed.

No substances listed

16. OTHER INFORMATION

Safety Data Sheet dated: 12/1/2023 - version 1

Additional classification information

NFPA Health: 0 = Minimal
NFPA Flammability: 3 = Flammable liquid
NFPA Reactivity: 0 = Minimal
NFPA Special Risk: NONE



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This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Code	Description
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

H351	Suspected of causing cancer.
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.6/2	Carc. 2	Carcinogenicity, Category 2
A.8/3	STOT SE 3	Specific target organ toxicity following single exposure, Category 3
B.6/2	Flam. Liq. 2	Flammable Liquids — Category 2
B.6/3	Flam. Liq. 3	Flammable Liquids — Category 3
US-HAE/A3	Aquatic Acute 3	Acute aquatic hazard, category 3
US-HAE/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

Legend to abbreviations and acronyms used in the safety data sheet:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
- IMDG: International Maritime Code for Dangerous Goods.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- CLP: Classification, Labeling, Packaging.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- INCI: International Nomenclature of Cosmetic Ingredients.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- LC50: Lethal concentration, for 50 percent of test population.
- LD50: Lethal dose, for 50 percent of test population.
- DNEL: Derived No Effect Level.
- PNEC: Predicted No Effect Concentration.
- TLV: Threshold Limiting Value.
- TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
- STEL: Short Term Exposure limit.
- STOT: Specific Target Organ Toxicity.
- WGK: German Water Hazard Class.
- KSt: Explosion coefficient.