Safety Data Sheet
POLYBRITE 97X - EPOXY PRIMER PART A
Safety Data Sheet dated: 08/10/2023 - version 1
Date of first edition: 08/10/2023

1: Identification

Product identifier

Mixture identification:

Trade name: POLYBRITE 97X - EPOXY PRIMER PART A

Trade code: 906PB97A

Recommended use and restrictions on use

Recommended use: Primer

Restrictions on use: Not available

Supplier's details

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 phone number

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

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

2. Hazard identification

Classification of the product

Skin irritation, Category 2	Causes skin irritation.
Eye irritation, Category 2A	Causes serious eye irritation.
Skin Sensitization, Category 1	May cause an allergic skin reaction.
Germ cell mutagenicity, Category 1B	May cause genetic defects if inhaled, in contact with skin and if swallowed.
Reproductive toxicity, Category 1B	May damage fertility. May damage the unborn child.
Acute (short-term) aquatic hazard - Category 2	Toxic to aquatic life
Chronic (long-term) aquatic hazard - Category 2	Toxic to aquatic life with long lasting effects.
Carcinogenicity, Category 2	Suspected of causing cancer if inhaled, in contact with skin and if swallowed.

Label elements

Hazard pictograms and Signal Word

Danger

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H340	May cause genetic defects if inhaled, in contact with skin and if swallowed.
H351	Suspected of causing cancer if inhaled, in contact with skin and if swallowed.
H360FD	May damage fertility. May damage the unborn child.
H401	Toxic to aquatic life
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.
P261	Avoid breathing mist/vapours/spray.

P264	Wash skin thoroughly after handling.
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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see supplementary instructions on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

Other hazards

None

Ingredient(s) with unknown acute toxicity

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 WHMIS 2015 and related classification:

List of components

Qty	Name	Ident. Numb.	Classification	Registration Number
25-50 %	(chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol copolymer; reaction product: bisphenol-A-(epichlorhydrin)	CAS:25068-38-6 EC:500-033-5 Index:603-074-00-8	Eye Irrit. 2A, H319; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 2, H401; Aquatic Chronic 2, H411	N.A.
2.5-5 %	titanium dioxide; Dioxotitanium	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	Carc. 2, H351	
0.49-1 %	dioxane; 1,4-diethylene dioxide	CAS:123-91-1 EC:204-661-8 Index:603-024-00-5	Flam. Liq. 2, H225; Carc. 2, H351; Eye Irrit. 2A, H319; STOT SE 3, H335	
0.49-1 %	acetaldehyde; Ethanal	CAS:75-07-0 EC:200-836-8 Index:605-003-00-6	Flam. Liq. 1, H224; Carc. 2, H351; Eye Irrit. 2A, H319; STOT SE 3, H335	
0.49-1 %	ethylene oxide; 1,2-Epoxyethane	CAS:75-21-8 EC:200-849-9 Index:603-023-00-X	Flam. Gas 1, H220; Acute Tox. 3, H331; Acute Tox. 3, H301; STOT SE 3, H335; STOT SE 3, H336; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 3, H402; Liquef. Gas, H280; Carc. 1B, H350; Muta. 1B, H340; Repr. 1B, H360Fd; Skin Corr. 1A, H314	

The actual concentration of the components listed above is withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

If skin irritation or rash occurs: Get medical advice/attention.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of Ingestion:

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

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

Eye irritation

Eye damages

Skin Irritation

Erythema

Indication of immediate medical attention and special treatment needed, if necessary

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

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

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 persons to safety.

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.

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.

Wash skin thoroughly after handling.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

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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	OSHA		Long Term: 15 mg/m3
	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation;
	MAK	GERMANY	Long Term: 0.3 mg/m3
	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation
	MAK	AUSTRIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3
	MAK	SWITZERLAND	Long Term: 3 mg/m3
dioxane; 1,4-diethylene dioxide CAS: 123-91-1	OSHA		Long Term: 360 mg/m3 - 100 ppm prevent or reduce skin absorption;
	ACGIH		Long Term: 20 ppm A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;Skin - potential significant contribution to overall exposure by the cutaneous route;liver damage;
	EU		Long Term: 73 mg/m3 - 20 ppm Behaviour Indicative
	MAK	GERMANY	Long Term: 37 mg/m3 - 10 ppm
	OSHA		Long Term: 360 mg/m3 - 100 ppm prevent or reduce skin absorption
	ACGIH		Long Term: 20 ppm A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;Skin - potential significant contribution to overall exposure by the cutaneous route;liver damage
	MAK	AUSTRIA	Long Term: 73 mg/m3 - 20 ppm; Short Term: 146 mg/m3 - 40 ppm
	MAK	SWITZERLAND	Long Term: 72 mg/m3 - 20 ppm
	MAK	GERMANY	Long Term: 73 mg/m3 - 20 ppm
acetaldehyde; Ethanal CAS: 75-07-0	OSHA		Long Term: 360 mg/m3 - 200 ppm
	ACGIH		A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans;eye and upper respiratory tract irritation;
	ACGIH		Short Term: Ceiling - 25 ppm
	MAK	GERMANY	Long Term: 91 mg/m3 - 50 ppm
	ACGIH		A2 - Suspected Human Carcinogen;eye and upper respiratory tract irritation
	MAK	AUSTRIA	Long Term: 90 mg/m3 - 50 ppm; Short Term: 90 mg/m3 - 50 ppm
	MAK	SWITZERLAND	Long Term: 90 mg/m3 - 50 ppm
	MAK	AUSTRIA	Short Term: Ceiling - 90 mg/m3 - 50 ppm
ethylene oxide; 1,2-Epoxyethane	OSHA		Long Term: 1 ppm; Short Term: 5 ppm

CAS: 75-21-8

ACGIH		Long Term: 1 ppm A2 - Suspected Human Carcinogen;cancer;CNS impairment
MAK	SWITZERLAND	Long Term: 1.8 mg/m3 - 1 ppm
EU		Long Term: 1.8 mg/m3 - 1 ppm Behaviour Binding

Biological limit values

ethylene oxide; 1,2-Epoxyethane CAS: 75-21-8	Biological Indicator: N-(2-Hydroxyethyl)valine (HEV) hemoglobin adducts; Sampling Period: Not critical Value: 5000 pmol HEV/g globin; Medium: Blood Remark: Not Specific
	Biological Indicator: S-(2-Hydroxyethyl)mercapturic acid (HEMA); Sampling Period: End of turn Value: 5 µg HEMA/g creatinine; Medium: Urine Remark: nonspecific, population based

Appropriate engineering controls

Not available

Individual protection measures, such as personal protective equipment (PPE)

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 >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid

Appearance and colour: liquid white

Odour: faint aromatic

Odour threshold: No data available

pH: No data available

Melting point / freezing point: No data available

Initial boiling point and boiling range: 2750 °C (4982 °F)

Flash point: 100 °C (212 °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: 1.41 g/cm3

Solubility in water: No data available

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: No data available

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

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Likely routes of exposure:

Skin contact, skin absorption, eye contact, inhalation and ingestion.

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin irritation, Category 2(H315)
c) serious eye damage/irritation	The product is classified: Eye irritation, Category 2A(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1(H317)
e) germ cell mutagenicity	The product is classified: Germ cell mutagenicity, Category 1B(H340)
f) carcinogenicity	The product is classified: Carcinogenicity, Category 2(H351)
g) reproductive toxicity	The product is classified: Reproductive toxicity, Category 1B(H360)
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
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:

(chloromethyl)oxirane, 4,4'-(1-methylethylidene) bisphenol copolymer; reaction product: bisphenol-A-(epichlorhydrin)	a) acute toxicity	LD50 Oral Rat 11400 mg/kg
		LD50 Oral Rat = 11400 mg/kg
titanium dioxide; Dioxotitanium	a) acute toxicity	LD50 Oral Rat > 10000 mg/kg
dioxane; 1,4-diethylene dioxide	a) acute toxicity	LD50 Skin Rabbit = 7600 µL/kg
		LC50 Inhalation Rat = 46 g/m3 2h
		LD50 Skin Rabbit = 7600 mg/kg
		LC50 Inhalation Rat = 46 mg/l 2h
		LD50 Oral Rat = 5170 mg/kg
acetaldehyde; Ethanal	a) acute toxicity	LC50 Inhalation Rat = 13300 ppm 4h
		LD50 Oral Rat = 1930 mg/kg

		LD50 Skin Rabbit = 3540 mg/kg
		LC50 Inhalation Rat = 13000 ppm 4h
		LD50 Oral Rat = 660 mg/kg
		LD50 Skin Rabbit = 3540 mg/kg
ethylene oxide; 1,2-Epoxyethane	a) acute toxicity	LC50 Inhalation Rat = 800 ppm 4h
		LD50 Oral Rat = 72 mg/kg

Substance(s) listed on the IARC Monographs:

titanium dioxide; Dioxotitanium	Group 2B
dioxane; 1,4-diethylene dioxide	Group 2B
acetaldehyde; Ethanal	Group 2B
ethylene oxide; 1,2-Epoxyethane	Group 1

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

titanium dioxide; Dioxotitanium

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

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

titanium dioxide; Dioxotitanium

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

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

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

12. Ecological information

Ecotoxicity

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

List of Eco-Toxicological properties of the product

The product is classified: Acute (short-term) aquatic hazard - Category 2(H401), Chronic (long-term) aquatic hazard - Category 2(H411)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
dioxane; 1,4-diethylene dioxide	CAS: 123-91-1 - EINECS: 204-661-8 - INDEX: 603-024-00-5	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus > 10000 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 9850 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia water flea = 163 mg/L 48h
		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus > 10000 mg/L 96h IUCLID
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 10306 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 9850 mg/L 96h IUCLID
acetaldehyde; Ethanal	CAS: 75-07-0 - EINECS: 200-836-8 - INDEX: 605-003-00-6	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 28 mg/L 96h EPA

		a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 53 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 1.8 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 39.8 mg/L 96h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 3.64 mg/L 48h EPA
		a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 48.3 mg/L 48h IUCLID
ethylene oxide; 1,2-Epoxyethane	CAS: 75-21-8 - EINECS: 200-849-9 - INDEX: 603-023-00-X	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 73 mg/L 96h EPA
		a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna 137 mg/L 48h IUCLID

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. Disposal considerations

Safe handling and methods for disposal

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

TDG-UN number: NA3082

ADR-UN number: 3082

DOT-UN Number: NA3082

IATA-Un number: 3082

IMDG-Un number: 3082

UN proper shipping name

TDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

DOT-Proper Shipping Name: Other regulated substances, liquid, n.o.s (epoxy resins)

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

Transport hazard class(es)

TDG-Class: 9

ADR-Class: 9

DOT-Hazard Class: 9

IATA-Class: 9

IMDG-Class: 9

Packing group

TDG-Packing Group: III

ADR-Packing Group: III

DOT Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

Environmental hazards

Marine pollutant: Yes

Environmental Pollutant: Not Applicable

DOT-RQ: Yes DOT-RQ - Quantity: 10 lbs

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

Not Applicable

Special precautions in connection with transport or conveyance

TDG:

TDG Special provisions: N/A

Department of Transportation (DOT):

DOT-Special Provision(s): A189, IB3, T2, TP1

DOT-Label(s): 9

DOT-Symbol: D G

DOT-Cargo Aircraft: No limit

DOT-Passenger Aircraft: No limit

DOT-Bulk: 241

DOT-Non-Bulk: 203

Road and Rail (ADR-RID) :

ADR-Label: 9

ADR-Hazard identification number: 90

ADR-Transport category (Tunnel restriction code): 3 (-)

Air (IATA) :

IATA-Passenger Aircraft: 964

IATA-Cargo Aircraft: 964

IATA-Label: 9

IATA-Subsidiary hazards: -

IATA-Erg: 9L

IATA-Special Provisioning: A97 A158 A197 A215

Sea (IMDG) :

IMDG-Stowage Code: Category A

IMDG-Stowage Note: -

IMDG-Subsidiary hazards: -

IMDG-Special Provisioning: 274 335 969

IMDG-EMS: F-A, S-F

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15. Regulatory information

Canada - Federal regulations

DSL - Domestic Substances List

NDSL - Non Domestic Substances List

This product complies with NDSL inventory

NPRI - National Pollutant Release Inventory

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

No substances listed

USA - Federal regulations

TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

TSCA listed substances:

(chloromethyl)oxirane, 4,4'-(1-methylethylidene)bisphenol copolymer; reaction product:	is listed in TSCA Section 8b

bisphenol-A-(epichlorhydrin)

titanium dioxide; Dioxotitanium	is listed in TSCA	Section 8b
dioxane; 1,4-diethylene dioxide	is listed in TSCA	Section 8b
acetaldehyde; Ethanal	is listed in TSCA	Section 8b Section 8a - PAIR Section 12b
ethylene oxide; 1,2-Epoxyethane	is listed in TSCA	Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

ethylene oxide; 1,2-Epoxyethane

Section 304 - Hazardous substances:

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

Section 313 - Toxic chemical list:

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

dioxane; 1,4-diethylene dioxide	Reportable quantity:	100	pounds
acetaldehyde; Ethanal	Reportable quantity:	1000	pounds
ethylene oxide; 1,2-Epoxyethane	Reportable quantity:	10	pounds

CAA - Clean Air Act

CAA listed substances:

dioxane; 1,4-diethylene dioxide	is listed in CAA	Section 112(b) - HAP Section 112(b) - HON
acetaldehyde; Ethanal	is listed in CAA	Section 112(b) - HAP Section 112(b) - HON
ethylene oxide; 1,2-Epoxyethane	is listed in CAA	Section 112(b) - HAP Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

acetaldehyde; Ethanal	is listed in CWA	Section 311

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

titanium dioxide; Dioxotitanium	Listed as carcinogen
dioxane; 1,4-diethylene dioxide	Listed as carcinogen
acetaldehyde; Ethanal	Listed as carcinogen
ethylene oxide; 1,2-Epoxyethane	Listed as carcinogen and reproductive toxicant

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

titanium dioxide; Dioxotitanium

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

titanium dioxide; Dioxotitanium

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

New Jersey Right to know

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

titanium dioxide; Dioxotitanium

dioxane; 1,4-diethylene dioxide

acetaldehyde; Ethanal

ethylene oxide; 1,2-Epoxyethane

16. Other information

Safety Data Sheet dated: 8/10/2023 - version 1

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

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
H220	Extremely flammable gas.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
A.1/3/Oral	Acute Tox. 3	Acute toxicity (oral), Category 3
A.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.3/1	Eye Dam. 1	Serious eye damage, Category 1
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.5/1B	Muta. 1B	Germ cell mutagenicity, Category 1B
A.6/1B	Carc. 1B	Carcinogenicity, Category 1B
A.6/2	Carc. 2	Carcinogenicity, Category 2
A.7/1B	Repr. 1B	Reproductive toxicity, Category 1B
A.8/3	STOT SE 3	Specific target organ toxicity following single exposure, Category 3
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
B.2/1	Flam. Gas 1	Flammable Gases — Category 1
B.5/L	Liquef. Gas	Gases under pressure (Dissolved gas)
B.6/1	Flam. Liq. 1	Flammable Liquids — Category 1
B.6/2	Flam. Liq. 2	Flammable Liquids — Category 2
CAN-HAE/A2	Aquatic Acute 2	Acute (short-term) aquatic hazard - Category 2
CAN-HAE/A3	Aquatic Acute 3	Acute (short-term) aquatic hazard - Category 3
CAN-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.