

Safety Data Sheet
ULTRABOND TURF MS

Safety Data Sheet dated: 01/27/2026 - version 5

Date of first edition: 12/17/2020



1. IDENTIFICATION

Product identifier used on the label

Mixture identification:

Trade name: ULTRABOND TURF MS

Trade code: 9007446

Recommended use of the chemical and restrictions on use

Recommended use: Adhesive based on sililated prepolymers

Restrictions on use: Not available

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

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

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

Eye irritation, Category 2A

Causes serious eye irritation.

Skin Sensitization, Category 1B

May cause an allergic skin reaction.

Carcinogenicity, Category 2

Suspected of causing cancer if inhaled, in contact with skin and if swallowed.

Reproductive toxicity, Category 1B

May damage fertility or the unborn child if inhaled and in contact with skin.

Label elements

Hazard pictograms and Signal Word



Danger

Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer if inhaled, in contact with skin and if swallowed.

H360 May damage fertility or the unborn child if inhaled and in contact with skin.

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.

P280 Wear protective gloves/clothing and eye/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 UN5\$P308+P313

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.
P501 Dispose of contents/container in accordance with applicable regulations.

Hazards associated with foreseeable chemical reactions

None

Ingredient(s) with unknown acute toxicity:

None

Hazards not otherwise classified identified during the classification process:

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. 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 silica 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
≥1 - <2.5 %	bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS:1675-54-3, 25085-99-8 EC:216-823-5 EU CLP Index:603-073-00-2	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2A, H319; Aquatic Chronic 2, H411; Aquatic Acute 2, H401
≥1 - <2.5 %	vinyltrimethoxysilane; Trimethoxyvinylsilane	CAS:2768-02-7 EC:220-449-8 EU CLP Index:014-049-00-0	Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Sens. 1B, H317
≥1 - <2.5 %	calcium oxide; quicklime	CAS:1305-78-8 EC:215-138-9	STOT SE 3, H335; Skin Irrit. 2, H315; Eye Dam. 1, H318
≥1 - <2.5 %	petroleum distillate, hydrotreated; Distillates (petroleum), hydrotreated light	CAS:64742-47-8 EC:265-149-8 EU CLP Index:649-422-00-2	Asp. Tox. 1, H304
≥0.6 - <1 %	dibutyltin diacetyldiacetate; Dibutylbis(pentane-2,4-dionato-O,O')tin	CAS:22673-19-4 EC:245-152-0 EU CLP Index:650-056-00-0	STOT RE 1, H372; Repr. 1B, H360FD
≥0.6 - <1 %	1-(bis(2-(1,3-dimethylbutylideneamino)ethyl)amino)-3-phenoxypropan-2-ol; 2-Propanol, 1-[bis[2-[(1,3-dimethylbutylidene)amino]ethyl]amino]-3-phenoxy-	CAS:68541-07-1 EC:271-340-7	Eye Dam. 1, H318; Carc. 2, H351; Aquatic Chronic 2, H411; Skin Corr. 1C, H314; Skin Sens. 1, H317
≥0.1 - <0.2 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350

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

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

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 ophthalmologist immediately.

Protect uninjured eye.

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

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:

Water.

Carbon dioxide (CO₂).

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 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.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits (OEL)

	OEL Type	Country	Occupational Exposure Limit
calcium oxide; quicklime CAS: 1305-78-8	ACGIH		Long Term: 2 mg/m3 URT irr
	MAK	GERMANY	Long Term: 1 mg/m3
	OSHA		Long Term: 5 mg/m3
	ACGIH		Long Term: 2 mg/m3 upper respiratory tract irritation
	MAK	AUSTRIA	Long Term: 1 mg/m3; Short Term: 4 mg/m3
	MAK	SWITZERLAND	Long Term: 2 mg/m3
petroleum distillate, hydrotreated; Distillates (petroleum), hydrotreated light CAS: 64742-47-8	EU		Long Term: 1 mg/m3; Short Term: 4 mg/m3 Respirable fraction
	MAK	GERMANY	Long Term: 5 mg/m3 - 50 ppm
	MAK	GERMANY	Long Term: 350 mg/m3 - 50 ppm
	MAK	SWITZERLAND	Long Term: 350 mg/m3 - 50 ppm
	MAK	SWITZERLAND	Long Term: 5 mg/m3 - 50 ppm
	MAK	GERMANY	Long Term: 0.02 mg/m3 - 0.004 ppm
dibutyltin diacetyldiacetate; Dibutylbis(pentane-2,4- dionato-O,O')tin CAS: 22673-19-4	OSHA		Long Term: 0.1 mg/m3
	ACGIH		Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3 "A4 - Not Classifiable as a Human Carcinogen" As Tin organic compounds [RR-00042-0]; "Skin - potential significant contribution to overall exposure by the cutaneous route" As Tin organic compounds [RR-00042-0]; "eye and upper respiratory tract irritation; headache; nausea; CNS and immune effects" As Tin organic compounds [RR-00042-0]
	MAK	SWITZERLAND	Long Term: 0.1 mg/m3 - 0.004 ppm
	MAK	SWITZERLAND	Long Term: 0.02 mg/m3 - 0.004 ppm
	MAK	AUSTRIA	Long Term: 0.1 mg/m3; Short Term: 0.2 mg/m3 - 0.008 ppm
	ACGIH		Long Term: 0.025 mg/m3 A2 - Suspected Human Carcinogen; lung cancer; pulmonary fibrosis
silica sand; quartz CAS: 14808-60-7	MAK	AUSTRIA	Long Term: 0.15 mg/m3
	ACGIH		Long Term: 0.025 mg/m3 (R), A2 - Pulm fibrosis, lung cancer
	MAK	SWITZERLAND	Long Term: 0.15 mg/m3
	EU		Long Term: 0.1 mg/m3 Behaviour Binding

Predicted No Effect Concentration (PNEC) values

vinyltrimethoxysilane;
Trimethoxyvinylsilane
CAS: 2768-02-7

Exposure Route: Fresh Water; PNEC Limit: 0.34 mg/l

Exposure Route: Marine water; PNEC Limit: 0.034 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 1.24 mg/kg
Exposure Route: Marine water sediments; PNEC Limit: 0.12 mg/kg
Exposure Route: Intermittent release; PNEC Limit: 3.4 mg/l

calcium oxide; quicklime
CAS: 1305-78-8 Exposure Route: Fresh Water; PNEC Limit: 0.49 mg/l

Exposure Route: Marine water; PNEC Limit: 0.32 mg/l
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 3 mg/l
Exposure Route: Soil; PNEC Limit: 1080 mg/kg
Exposure Route: Soil; PNEC Limit: 816 mg/l

Derived No Effect Level (DNEL) values

vinyltrimethoxysilane;
Trimethoxyvinylsilane
CAS: 2768-02-7 Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 0.69 mg/kg; Consumer: 0.3 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 4.9 mg/m³; Consumer: 1.04 mg/m³

calcium oxide; quicklime
CAS: 1305-78-8 Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Industry: 4 mg/m³; Consumer: 4 mg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Industry: 1 mg/m³; Consumer: 1 mg/m³

Appropriate engineering controls: Not available

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

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 $\geq 0,5\text{mm}$; breakthrough time $\geq 480\text{min}$.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance and colour:	paste green
Odour:	characteristic
Odour threshold:	No data available
Melting point / freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point:	94 °C (201 °F)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Viscosity:	65.00 cPs

Kinematic viscosity:	> 20,5 mm ² /sec (40 °C)
Solubility in water:	insoluble
Solubility in oil:	slightly soluble
Partition coefficient (n-octanol/water):	No data available
Vapour pressure:	No data available
Evaporation rate:	No data available
Relative density:	1.40 g/cm ³
Vapour density:	No data available

Particle characteristics:

Particle size:	No data available
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Other information

Explosive properties:	No data available
Oxidizing properties:	No data available
Solid/gas flammability:	No data available
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

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	The product is classified: Eye irritation, Category 2A(H319)
d) respiratory or skin sensitisation	The product is classified: Skin Sensitization, Category 1B(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	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:

bis-[4-(2,3-epoxipropoxy)phenyl]propane	a) acute toxicity	LD50 Skin Rabbit = 20 mg/kg
		LD50 Oral Rat = 11300 µL/kg
vinyltrimethoxysilane; Trimethoxyvinylsilane	a) acute toxicity	LD50 Oral Rat = 6899 mg/kg
		LD50 Skin Rat = 3158 mg/kg
		LC50 Inhalation Vapour Rat = 16.8 mg/l 4h
calcium oxide; quicklime	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg
		LD50 Skin Rat > 2500 mg/kg
petroleum distillate, hydrotreated; Distillates (petroleum), hydrotreated light	a) acute toxicity	LD50 Skin Rabbit > 2000 mg/kg
		LD50 Oral Rat > 5000 mg/kg
		LC50 Inhalation Rat > 5.2 mg/l 4h
dibutyltin diacetyldiacetate; Dibutylbis(pentane-2,4-dionato-O,O')tin	a) acute toxicity	LD50 Skin Rat > 2000 mg/kg
silica sand; quartz	a) acute toxicity	LD50 Oral > 2000 mg/kg
		LD50 Skin > 2000 mg/kg

Substance(s) listed on the IARC Monographs:

bis-[4-(2,3-epoxipropoxy)phenyl]propane	Group 3
silica sand; quartz	Group 1

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

silica sand; quartz

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

silica sand; quartz

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

silica sand; quartz

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

Not classified for environmental hazards.

Based on available data, the classification criteria are not met

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
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bis-[4-(2,3-epoxipropoxy)phenyl]propane	CAS: 1675-54-3, a) Aquatic acute toxicity : LC50 Fish = 2 mg/L 96h 25085-99-8 - EINECS: 216-823-5 - INDEX: 603-073-00-2	
calcium oxide; quicklime	CAS: 1305-78-8 - EINECS: 215-138-9	a) Aquatic acute toxicity : EC50 Daphnia = 1.8 mg/L 48h a) Aquatic acute toxicity : LC50 Fish = 457 mg/L 96 a) Aquatic acute toxicity : EC50 Daphnia = 49.1 mg/L 48 b) Aquatic chronic toxicity : NOEC Daphnia = 32 mg/L - 14 d a) Aquatic acute toxicity : LC50 Fish = 50.6 mg/L 96 a) Aquatic acute toxicity : LC50 Daphnia = 158 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 184.57 mg/L 72 b) Aquatic chronic toxicity : NOEC Algae = 48 mg/L 72 a) Aquatic acute toxicity : LC50 Fish Cyprinus carpio = 1070 mg/L 96h IUCLID
petroleum distillate, hydrotreated; Distillates (petroleum), hydrotreated light	CAS: 64742-47-8 - EINECS: 265-149-8 - INDEX: 649-422-00-2	a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 45 mg/L 96h IUCLID a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 2.2 mg/L 96h EPA a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 2.4 mg/L 96h EPA
dibutyltin diacetyldiacetate; Dibutylbis(pentane-2,4-dionato-O,O')tin	CAS: 22673-19-4 - EINECS: 245-152-0 - INDEX: 650-056-00-0	a) Aquatic acute toxicity : LC50 Fish Oryzias latipes > 2 mg/L 96h ECHA a) Aquatic acute toxicity : LC50 Fish Oryzias latipes > 2 mg/L 96h ECHA - semi-static

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

Not classified as dangerous in the meaning of transport regulations.

UN number

- DOT-UN Number: Not Applicable
- ADR-UN number: Not Applicable
- IATA-Un number: Not Applicable
- IMDG-Un number: Not Applicable

UN proper shipping name

- DOT-Proper Shipping Name: Not Applicable
- ADR-Shipping Name: Not Applicable
- IATA-Technical name: Not Applicable
- IMDG-Technical name: Not Applicable

Transport hazard class(es)

- DOT-Hazard Class: Not Applicable
- ADR-Class: Not Applicable
- IATA-Class: Not Applicable
- IMDG-Class: Not Applicable

Packing group

- DOT Packing Group: Not Applicable
- ADR-Packing Group: Not Applicable
- IATA-Packing group: Not Applicable
- IMDG-Packing group: Not Applicable

Environmental hazards

- Marine pollutant: No
- Environmental Pollutant: Not Applicable
- DOT-RQ: No

Transport in bulk according to IMO instruments

- N.A.
- Not Applicable

Special precautions

- Department of Transportation (DOT):
 - Not Applicable
- Road and Rail (ADR-RID) :
 - Not Applicable
- Air (IATA) :
 - Not Applicable
- Sea (IMDG) :
 - Not Applicable

15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared according to the Hazard Communication Standard 2024 (HCS 2024)

USA - Federal regulations

TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

TSCA listed substances:

- | | | |
|---|-------------------|----------------------|
| bis-[4-(2,3-epoxipropoxy)phenyl]propane | is listed in TSCA | Section 8b |
| vinyltrimethoxysilane; Trimethoxyvinylsilane | is listed in TSCA | Section 8b |
| calcium oxide; quicklime | is listed in TSCA | Section 8b |
| petroleum distillate, hydrotreated; Distillates (petroleum), hydrotreated light | is listed in TSCA | Section 8b |
| dibutyltin diacetyldiacetate; Dibutylbis(pentane-2,4-dionato-O,O')tin | is listed in TSCA | Section 8b Section 5 |
| 1-(bis(2-(1,3-dimethylbutylideneamino)ethyl)amino)-3-phenoxypropan-2-ol; 2- | is listed in TSCA | Section 8b |

Propanol, 1-[bis[2-[(1,3-dimethylbutylidene)amino]ethyl]amino]-3-phenoxy-

silica sand; quartz is listed in TSCA Section 8b

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances:

No substances listed

Section 304 - Hazardous substances:

No substances listed

Section 313 - Toxic chemical list:

No substances listed

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA:

No substances listed

CAA - Clean Air Act

CAA listed substances:

No substances listed

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

silica sand; quartz Listed as carcinogen

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

calcium oxide; quicklime

silica sand; quartz

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

calcium oxide; quicklime

silica sand; quartz

New Jersey Right to know

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

calcium oxide; quicklime

silica sand; quartz

Canada - Federal regulations

DSL - Domestic Substances List

All the substances are listed in the DSL.

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

16. OTHER INFORMATION

Safety Data Sheet dated: 1/27/2026 - version 5

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
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H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
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.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
A.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
A.10/1	Asp. Tox. 1	Aspiration hazard, Category 1
A.2/1C	Skin Corr. 1C	Skin corrosion, Category 1C
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.4.2/1B	Skin Sens. 1B	Skin Sensitization, Category 1B
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
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.6/3	Flam. Liq. 3	Flammable Liquids — Category 3
US-HAE/A2	Aquatic Acute 2	Acute aquatic hazard, category 2
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.
 EU CLP Index: Index number as reported in Annex VI to EU Reg. 1272/2008
 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.

Paragraphs modified from the previous revision:

- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION