

Safety Data Sheet

ULTRACOAT PREMIUM BASE / B

Safety Data Sheet dated: 09/24/2025 - version 9

Date of first edition: 09/11/2015



1. IDENTIFICATION

Product identifier used on the label

Mixture identification:

Trade name: ULTRACOAT PREMIUM BASE / B

Trade code: 9073740

Recommended use of the chemical and restrictions on use

Recommended use: Special coating

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

Flammable Liquids — Category 3

Flammable liquid and vapour.

Acute toxicity (inhalation), Category 4

Harmful if inhaled.

Skin Sensitization, Category 1

May cause an allergic skin reaction.

Specific target organ toxicity following single exposure, Category 3

May cause respiratory irritation.

Chronic (long term) aquatic hazard, category 3

Harmful 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.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

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

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharge.

P261 Avoid breathing mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/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 [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a doctor if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

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
≥60 - <70 %	aliphatic polyisocyanate; Copolymer of hexane-1,6-diisocyanate, methanol and oxirane	CAS:160994-68-3 EC:679-501-7	Acute Tox. 4, H332; STOT SE 3, H335; Skin Sens. 1, H317; Aquatic Chronic 3, H412
≥30 - <36 %	dipropylene glycol dimethyl ether; 1-methoxy-3-(3-methoxypropoxy)propane	CAS:111109-77-4 EC:404-640-5	Flam. Liq. 4, H227

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.

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:

If breathing is irregular or stopped, administer artificial respiration.
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 dry powder 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 Relevant

Oxidizing properties: Not Relevant

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.

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

Data not available.

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

Predicted No Effect Concentration (PNEC) values

dipropylene glycol dimethyl ether; 1-methoxy-3-(3-methoxypropoxy)propane
CAS: 111109-77-4

Exposure Route: Fresh Water; PNEC Limit: 1 mg/l

Exposure Route: Marine water; PNEC Limit: 0,1 mg/l

Exposure Route: Intermittent release; PNEC Limit: 10 mg/l

Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 10 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 1,16 mg/kg

Exposure Route: Soil; PNEC Limit: 0,1 mg/kg

Derived No Effect Level (DNEL) values

dipropylene glycol dimethyl ether; 1-methoxy-3-(3-methoxypropoxy)propane
CAS: 111109-77-4

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects
Worker Industry: 22,1 mg/kg; Consumer: 5,26 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects
Worker Industry: 133 mg/m³; Consumer: 15,79 mg/m³

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects
Consumer: 1,67 mg/kg

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 $\geq 0,5$ mm; breakthrough time ≥ 480 min.

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

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

Fluorinated rubber - FKM: thickness $\geq 0,4$ mm; breakthrough time ≥ 480 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:	liquid clear
Odour:	almost odorless
Odour threshold:	No data available
Melting point / freezing point:	Not Relevant
Initial boiling point and boiling range:	Not Relevant
Flammability:	The product is classified Flam. Liq. 3
Upper/lower flammability or explosive limits:	Not Relevant
Flash point:	52 °C (126 °F)
Auto-ignition temperature:	Not Relevant

Decomposition temperature:	Not Relevant
pH:	8.00
Viscosity:	Not Relevant
Kinematic viscosity:	No data available
Solubility in water:	dispersible
Solubility in oil:	Not Relevant
Partition coefficient (n-octanol/water):	Not Relevant
Vapour pressure:	Not Relevant
Evaporation rate:	Not Relevant
Relative density:	1.07 g/cm ³
Vapour density:	Not Relevant

Particle characteristics:

Particle size:	No data available
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Other information

Explosive properties:	Not Relevant
Oxidizing properties:	Not Relevant
Solid/gas flammability:	Not Relevant
Substance Groups relevant properties:	Not Relevant
Miscibility:	Not Relevant
Fat Solubility:	Not Relevant
Conductivity:	Not Relevant

10. STABILITY AND REACTIVITY

Reactivity

- No data available
- It may generate dangerous reactions (See subsections below)

Chemical stability

- It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

- It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth) and powerful reducing agents.
- It may generate toxic gases on contact with oxidising mineral acids, halogenated organic substances, organic peroxides and hydroperoxides, and powerful oxidising agents.
- It may catch fire on contact with powerful oxidising agents.

Conditions to avoid

- No data available
- Avoid accumulating electrostatic charge.

Incompatible materials

- Data not available.
- Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

- Data not available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological Information of the Preparation

- | | |
|------------------------------|--|
| a) acute toxicity | The product is classified: Acute toxicity (inhalation), Category 4(H332)
ATEmix - Inhalation (Vapours) : 15.7378 mg/l |
| 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	Not classified Based on available data, the classification criteria are not met
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)
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:

aliphatic polyisocyanate; Copolymer of hexane-1, 6-diisocyanate, methanol and oxirane	a) acute toxicity	LD50 Oral Rat > 2000 mg/kg LD50 Skin Rat > 2000 mg/kg LC50 Inhalation Mist Rat = 0,39 mg/l 4h LC50 Inhalation Mist = 1,5 mg/l
dipropylene glycol dimethyl ether; 1- methoxy-3-(3- methoxypropoxy)propane	a) acute toxicity	LD50 Skin Rat > 2000, mg/kg LC50 Inhalation Rat > 792, mg/l 4h

Substance(s) listed on the IARC Monographs:

None

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

None

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

None

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 3(H412)

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
aliphatic polyisocyanate; Copolymer of hexane-1,6- diisocyanate, methanol and oxirane	CAS: 160994- 68-3 - EINECS: 679-501-7	a) Aquatic acute toxicity : EC50 Daphnia > 100 mg/L 48 a) Aquatic acute toxicity : LC50 Fish > 28,3 mg/L 96 c) Bacteria toxicity : EC50 Bacteria > 10000 mg/L a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72

dipropylene glycol dimethyl ether; CAS: 111109-77-4 - EINECS: 404-640-5
1-methoxy-3-(3-methoxypropoxy)propane

a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96

a) Aquatic acute toxicity : NOEC Fish > 300 mg/L 14

a) Aquatic acute toxicity : LC50 Daphnia > 1000 mg/L 24

b) Aquatic chronic toxicity : NOEC Daphnia = 10 mg/L - 21 d

d) Terrestrial toxicity : LC50 > 1000 mg/kg - 14 d

a) Aquatic acute toxicity : EC50 Algae = 4307 mg/L 72

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: UN1993

ADR-UN number: 1993

IATA-Un number: 1993

IMDG-Un number: 1993

UN proper shipping name

DOT-Proper Shipping Name: Flammable liquids, n.o.s. (glycol ethers)

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (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) (glycol ethers)

IATA-Technical name: FLAMMABLE LIQUID, N.O.S. (glycol ethers)

IMDG-Technical name: FLAMMABLE LIQUID, N.O.S. (glycol ethers)

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: 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):

DOT-Special Provision(s): B1, B52, IB3, T4, TP1, TP29
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
DOT-Limited Quantity threshold: 5 L

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 and handling: Category A
IMDG-Segregation: -
IMDG-Subsidiary hazards: -
IMDG-Special Provisioning: 223 274 955
IMDG-EMS: F-E, [S-E]

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:

aliphatic polyisocyanate; is listed in TSCA Section 8b
Copolymer of hexane-1,6-diisocyanate, methanol and oxirane

dipropylene glycol dimethyl ether; is listed in TSCA Section 8b Section 5a - SNUR Section 12b
1-methoxy-3-(3-methoxypropoxy)propane

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:
No substances listed

Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
No substances listed

Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
No substances listed

New Jersey Right to know
Substance(s) listed under New Jersey Right to know:
No substances listed

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: 9/24/2025 - version 9

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
H227	Combustible liquid
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful 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.4.2/1	Skin Sens. 1	Skin Sensitization, Category 1
A.8/3	STOT SE 3	Specific target organ toxicity following single exposure, Category 3
B.6/4	Flam. Liq. 4	Flammable Liquids — Category 4
US-HAE/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

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:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 7. HANDLING AND STORAGE
- 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