

DECO SEALANT

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

Revision date: 3/16/2022 Revision: 1.0 Supersedes date: 3/16/2022

1. Identification

Product identifier

Product name DECO SEALANT

Recommended use of the chemical and restrictions on use

Application Protective sealer for coverings. Industrial use. Professional use.

Uses advised againstNo specific uses advised against are identified. Use only for intended applications.

Details of the supplier of the safety data sheet

Supplier DEKA BOYA SANAYİ VE TİCARET A.Ş.

S.S.İstanbul Mermerciler Küçük San.Sitesi Yapı Koop. 34.Cd.No:3 41490 Dilovası - Kocaeli / TURKEY Tel: +90(262) 728 10 88 (Pbx) F:+90(262) 728 10 71

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Emergency telephone number

Emergency telephone Call the supplier's phone number.

Company Emergency: +90 (262) 728 10 88

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Not Classified

Label elements

Hazard symbols



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P261 Avoid breathing vapor/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 If on skin: Wash with plenty of water.

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

Contains 5-chloro-2-methyl-2H-isothiazol-3-one

Other hazards

This product does not contain any substances classified as PBT or vPvB.



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3. Composition/information on ingredients

Mixtures

2-(2-butoxyethoxy)ethanol 5-10%

CAS number: 112-34-5
Lists:REACH ANNEX XVII.

Classification

Eye Irrit. 2A - H319

Ethanediol 1-5%

CAS number: 107-21-1

Classification

Acute Tox. 4 - H302

5-chloro-2-methyl-2H-isothiazol-3-one

<0.15%

CAS number: 26172-55-4 M factor (Acute) = 1

Classification

Acute Tox. 3 - H301 Acute Tox. 3 - H311 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335 Aquatic Acute 1 - H400

The full text for all hazard statements is displayed in Section 16.

Composition comments See section 8 for workplace exposure limits.

4. First-aid measures

Description of first aid measures

General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce

vomiting unless under the direction of medical personnel.

Skin Contact It is important to remove the substance from the skin immediately. In the event of any sensitization

symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any

discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue



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Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of

exposure.

Inhalation Coughing. Slightly irritating.

Ingestion May cause discomfort. Nausea, vomiting. Stomach pain.

Skin contact May cause skin sensitization or allergic reactions in sensitive individuals. Mild dermatitis, allergic skin

rash. Overexposure may cause the following adverse effects: Slightly irritating.

Eye contact No specific symptoms known. May be slightly irritating to eyes.

Indication of immediate medical attention and special treatment needed

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing

media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or

vapors.

Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapors. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out

of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for

firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of

protection for chemical incidents.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken

without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid

inhalation of vapors and contact with skin and eyes.

Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately

and dispose of waste safely. Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after

dealing with a spillage.

Reference to other sections For personal protection, see Section 8.

See Section 11 for additional information on health hazards.

For waste disposal, see Section 13.



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7. Handling and storage

Precautions for safe handling

Usage precautionsWear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink

and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container

tightly sealed when not in use. Avoid the formation of mists. Do not reuse empty containers.

Advice on general occupational

hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do

not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Protect

containers from damage. Store away from incompatible materials (see Section 10). Protect from sunlight.

Storage class Chemical storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

2-(2-butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA): ACGIH 10 ppm 67.5 mg/m³ inhalable fraction and vapor

Ethanediol

Ceiling exposure limit: ACGIH 100 mg/m³ aerosol

A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

Protective equipment







Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection

Wear protective gloves. It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Frequent changes are recommended.

Hygiene measures

Persons susceptible to allergic reactions should not handle this product. Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Use appropriate skin cream to prevent drying of skin. Provide shower facilities near the workplace. Eye wash facilities and emergency shower must be available when handling this product.

Respiratory protection

Provide adequate ventilation. Respiratory protection complying with an approved standard should be worn

if a risk assessment indicates inhalation of contaminants is possible.

Environmental exposure controls Store in a demarcated bunded area to prevent release to drains and/or watercourses.



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9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Liquid.

Color Creamy white
Odor Characteristic.

Odor threshold No information available.

pH 7,7 +/- 0,5

Melting point No information available.

Initial boiling point and range $>100^{\circ}$ C Flash point $>65^{\circ}$ C

Evaporation rateNo information available.Flammability (solid, gas)No information available.Upper/lower flammability orNo information available.

explosive limits

110 mioriladon avallabio.

 Vapor pressure
 No information available.

 Vapor density
 No information available.

Relative density 1.018 g/ml

Solubility(ies) No information available.

Partition coefficient <1000

Auto-ignition temperature No information available.

Decomposition Temperature No information available.

Viscosity <10 cP

Explosive properties No information available.

Oxidizing properties No information available.

Volatile organic compound VOC (Directive 2010/75/EC) : 8.00 % - 81.44 g/l VOC (volatile carbon) : 4.32 % - 44.02 g/l

10. Stability and reactivity

Reactivity See the other subsections of this section for further details.

Ethanediol: In the air absorbs moisture. Decomposes at temperatures above 200°C/392°F.

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed

storage conditions.

Possibility of hazardous reactions No potentially hazardous reactions known.

 $\hbox{$2$-(2-but oxyethoxy)$ ethanol: May react with oxidising substances. May form peroxides with oxygen.}$

Develops hydrogen on contact with aluminium. May form explosive mixtures with air.

Ethanediol: Risk of explosion on contact with perchloric acid. May react dangerously with: chlorosulphuric

acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium (III) oxide, chromyl



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chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Forms explosive

mixtures with air.

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

2-(2-butoxyethoxy)ethanol: Avoid exposure to air.

Ethanediol: Avoid exposure to sources of heat,naked flames.

Materials to avoid Avoid contact with strong oxidizing agents.

2-(2-butoxyethoxy)ethanol: Incompatible with oxidising substances, strong acids, alkaline metals.

Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion

products may include the following substances: Harmful gases or vapors.

2-(2-butoxyethoxy)ethanol: May develop hydrogen.

Ethanediol: May develop hydroxyacetaldehyde,glyoxal,acetaldehyde,methane,carbon

monoxide, hydrogen

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD50) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 15,873.02

Acute toxicity - dermal

Notes (dermal LD50) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 230,769.23

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritationBased on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.



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Skin sensitization

Skin sensitization May cause sensitization or allergic reactions in sensitive individuals.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -

development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposureNot classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Acute and chronic health hazards 2-(2-butoxyethoxy)ethanol: May be absorbed by inhalation, ingestion and skin contact; is irritating for the

skin and especially for the eyes. May cause damage to the spleen. At room temperature the danger of

inhalation is unlikely, due to the low vapour pressure of the substance.

Ethanediol: Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg.



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Toxicological information on ingredients.

2-(2-butoxyethoxy)ethanol

Acute toxicity - oral

Notes (oral LD₅o) LD₅o 2410 mg/kg, Oral, Mouse LD₅o 6560 mg/kg, Oral, Rat LD₅o 2200 mg/kg, Oral, Rabbit

Acute toxicity - dermal

Notes (dermal LD50) LD50 2764 mg/kg, Dermal, Rabbit LD50 > 2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC50) LC50 3,384 mg/kg, Inhalation, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 250 mg/kg, Oral, Rat NOAEC 94 mg/m³, Inhalation, Rat

Ethanediol

Acute toxicity - oral

LD₅₀ 8,54 g/kg, Oral, RatLD₅₀ 6,61 g/kg, Oral, Pig. LD₅₀ 13,7 g/kg, Oral, MouseLD₅₀ 4.700 mg/kg, Oral, Rat

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >3500 mg/kg, Dermal, Mouse

 LD_{50} 9530 mg/kg, Dermal, Rabbit LD_{50} 10.626 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC50) LC50 140-160 ppm, Inhalation, Rat

8 hour, day 16 week

5-chloro-2-methyl-2H-isothiazol-3-one

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0



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12. Ecological information

EcotoxicityNot regarded as dangerous for the environment. However, large or frequent spills may have hazardous

effects on the environment.

ToxicityBased on available data the classification criteria are not met.

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 1300 mg/l, Lepomis macrochirus (Bluegill)

LC₅₀, 96 hour: >2000 mg/l, Menidia beryllina LC₅₀, 48 hour: 1805 mg/l, Leuciscus melanotus LC₅₀, 7 day: 1150 mg/l, Poecilia reticulata (Guppy) LC₅₀, 24 hour: 2700 mg/l, Carassius auratus (Goldfish)

ELC50, 96 hour: 2400 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquaticinvertebrates EC50/LC50, 24 hour: 2850 mg/l, Daphnia magna

 EC_{50} , 48 hour: >100 mg/l, Daphnia magna EC_{50} , 14 day: 112 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC10, 16 hour: 1170 mg/l, Pseudomonas putida

EC₀, 96 hour: >100 mg/l, Scenedesmus subspicatus EC₅₀, 72 hour: 1101 mg/l, Pseudokirchneriella subcapitata EC3, 8 day: 1000 mg/l, Scenedesmus quadricauda EC3, 8 day: 53 mg/l, Microcystis aeruginosa

Ethanediol

Acute aquatic toxicity

Acute toxicity − fish LC₅₀, 24-48 hour: 20 mg/l, Lepomis macrochirus (Bluegill)

 $LC_{50},\,96$ hour: 18.500 mg/l, Oncorhynchus mykiss (Rainbow trout)

LC₅₀, 48 hour: >10.000 mg/l, Leuciscus idus (Golden orfe)

NOEC, 7 day: 32.000 mg/l, Pimephales promelas (Fat-head Minnow) NOEC, 96 hour: 39.140 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquaticinvertebrates EC₅₀, 24 hour: 74.000 mg/l, Daphnia magna

NOEC, 48 hour: 24.000 mg/l, Daphnia magna

LC₅₀, 48 hour: 41.000 mg/l, Daphnia magna

Acute toxicity - aquatic plants LC₅₀, 24 hour: 12,8 mmol/l, ciliate

 EC_{50} , : >1400 mg/l, Microcystis aeruginosa

Acute toxicity - microorganisms LC₅₀, : 92 mg/l, Pseudomonas putida

Chronic aquatic toxicity

NOEC-Aquatic Plants >700 mg/l entosiphone sulcatum



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5-chloro-2-methyl-2H-isothiazol-3-one

Acute aquatic toxicity

LE(C)₅₀ $0.1 < L(E)C50 \le 1$

M factor (Acute)

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Persistence and degradability Expected to be readily biodegradable.

Ethanediol

Persistence and degradabilityThe substance is readily biodegradable.

BOD/ThBOD 0,78 %

2-(2-butoxyethoxy)ethanol

Bioaccumulative potential

Bio-Accumulative PotentialNo data available on bioaccumulation.

Partition coefficient <1000

Ecological information on ingredients.

2-(2-butoxyethoxy)ethanol

Bio-Accumulative Potential Not determined: $log Kow \le 3$. Low potential.

Ethanediol

Bio-Accumulative Potential Potentially bioaccumulating.

Bioconcentration factor (BCF) 0,60

Mobility in soil

Mobility No data available.

Ecological information on ingredients.

Ethanediol

Mobility The product is water-soluble and may spread in water systems.

Other adverse effects

Other adverse effects None known.



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13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. When handling waste, the

safety precautions applying to handling of the product should be considered. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Empty containers or

liners may retain some product residues and hence be potentially hazardous.

Disposal methodsDo not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed

waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated

cleaning materials should be collected in designated containers, labeled with their contents.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA,

DOT)

UN Number

UN No. (International) Not applicable.

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name

(International)

Not applicable.

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

Transport Labels (International) No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packing group

Packing group (International) Not applicable

DOT packing group Not applicable.

Environmental hazards

Environmentally Hazardous

Substance

No

Special precautions for user

Not applicable.

DOT reportable quantity

Not applicable.

DOT TIH Zone

Not applicable.

Transport in bulk according

Not applicable.

to Annex II of MARPOL 73/78

andthe IBC Code



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15. Regulatory information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed or exempt:

Ethanediol

Final CERCLA RQ: 5000(2270) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

The following ingredients are listed or exempt:

2-(2-butoxyethoxy)ethanol

1.0 %

Ethanediol

10%

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The following ingredients are listed or exempt:

Ethanediol

Developmental toxin.

California Air Toxics "Hot Spots" (A-I)

The following ingredients are listed or exempt:

2-(2-butoxyethoxy)ethanol

Ethanediol



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California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

The following ingredients are listed or exempt:

Ethanediol

Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

Ethanediol

Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

Ethanediol

Minnesota "Right To Know" List

The following ingredients are listed or exempt:

Ethanediol

New Jersey "Right To Know" List

The following ingredients are listed or exempt:

Ethanediol

Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

Ethanediol

Inventories

US - TSCA

The following ingredients are listed or exempt:

2-(2-butoxyethoxy)ethanol

Ethanediol

2-methyl-2H-isothiazol-3-one

US - TSCA 12(b) Export Notification

The following ingredients are listed or exempt:

2-methyl-2H-isothiazol-3-one



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16. Other information

in the safety data sheet

Abbreviations and acronyms used TDG: The transport of dangerous goods act

IATA: International air transport association.

ICAO: Technical instructions for the safe transport of dangerous goods by air.

IMDG: International maritime dangerous goods.

CAS: Chemical abstracts service. ATE: Acute toxicity estimate.

LC₅o: Lethal concentration to 50 % of a test population.

LD50: Lethal dose to 50% of a test population (median lethal dose).

EC50: 50% of maximal effective concentration.

PBT: Persistent, bioaccumulative and toxic substance. vPvB: Very persistent and very bioaccumulative.

Classification abbreviations and

acronyms

Skin Sens. = Skin sensitisation

Key literature references and

sources for data

Source: European Chemicals Agency, http://echa.europa.eu/

This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product

owner.

Training advice Only trained personnel should use this material.

Revision comments This is the first issue.

Issued by Bülent Özdemir / CRAD

www.crad.com.tr gbf@crad.com.tr

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Hazard statements in full H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.