

Safety Data Sheet

Prekote - 9241000

Safety Data Sheet dated 10/22/2019, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:
Trade name: Prekote
Other means of identification:
MSDS code: 9241000

Recommended use of the chemical and restrictions on use

Recommended use:
Non-chromated surface pretreatment
Professional uses
Industrial uses
Restrictions on use:
No uses advised against are identified.

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

Manufacturers:

Dysol Inc. - 791 Westport Parkway - Forth Worth, TX 76177 / Phone: 1-817-335-1826 /
csr-na@socomore.com/ Fax Number: 817-335-2405
Pantheon Enterprises, Inc. - 225 West Deer Valley Road - Phoenix, AZ 85027 / Phone:
1-817-335-1826 / csr-na@socomore.com / Fax Number: 817-335-2405
Sea to Sky Innovations Limited - Unit 204, 6741 Cariboo Road, Burnaby V3N 4A3, British
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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

Emergency phone number:




CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC:
1-613-996-6666 (CANADA)

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2. HAZARD(S) IDENTIFICATION

Classification of the chemical

-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Skin Sens. 1A, May cause an allergic skin reaction.

Label elements

Hazard pictograms:



Warning

Hazard statements:

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.

Precautionary statements:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash Hands and Eyes Thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- 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.
- P321 Specific treatment (see ... On this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- 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.
- P363 Wash contaminated clothing before reuse.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

- $\geq 3\%$ - $< 5\%$ 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
REACH No.: 01-2119475104-44, Index number: 603-096-00-8, CAS: 112-34-5, EC:
203-961-6

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 A.3/2A Eye Irrit. 2A H319

>= 3% - < 5% 3-METHOXY-3-METHYL-1-BUTANOL
REACH No.: 01-2119976333-33, CAS: 56539-66-3, EC: 260-252-4

 A.3/2A Eye Irrit. 2A H319

>= 1% - < 3% 2-(2-heptadec-8-en-1-yl-4,5-dihydro-1H-imidazol-1-yl)ethanol
CAS: 21652-27-7

 A.2/1A Skin Corr. 1A H314

>= 0.3% - < 0.5% Capryloamphopropionate
CAS: 68877-55-4

 A.4.2/1A Skin Sens. 1A H317

4. FIRST-AID MEASURES

Description of necessary 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.

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. Obtain a medical examination.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

None

Indication of 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:

No particular treatment.

5. FIRE-FIGHTING MEASURES

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:

None

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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.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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.

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.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

- OEL Type: National - TWA(8h): 67.5 mg/m³ - Notes: Germany

- OEL Type: National - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: France VLEI

- OEL Type: National - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: UK

- OEL Type: EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm

- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

- OEL Type: National - TWA(8h): 50 mg/m³, 9 ppm - STEL: 100 mg/m³, 18 ppm - Notes: Netherlands

- OEL Type: National - TWA: 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm - Notes: Belgium

- OEL Type: National - TWA: 67.5 mg/m³, 10 ppm - STEL(15min (Miw)): 101.2 mg/m³, 15 ppm - Notes: Osterreich

DNEL Exposure Limit Values

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2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
 Worker Industry: 101 mg/m³ - Consumer: 7.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
 Worker Industry: 20 mg/kg bw/day - Consumer: 10 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Worker Industry: 10 ppm - Consumer: 5 mg/kg bw/day - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 10 ppm - Consumer: 5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
 Consumer: 1.25 - Exposure: Human Oral - Frequency: Long Term, systemic effects

3-METHOXY-3-METHYL-1-BUTANOL - CAS: 56539-66-3
 Worker Industry: 5.9 mg/m³ - Consumer: 1.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
 Worker Industry: 2 mg/kg - Consumer: 1.2 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
 Consumer: 0.5 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
 Target: Fresh Water - Value: 1 mg/l
 Target: Marine water - Value: 0.1 mg/l
 Target: Freshwater sediments - Value: 4 mg/l
 Target: Marine water sediments - Value: 0.4 mg/l
 Target: Soil (agricultural) - Value: 0.4 mg/l
 Target: Microorganisms in sewage treatments - Value: 200 mg/l

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)
 Face protection shield. (EN 166)
 Use closed 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:

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

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged such as Mask with filter "A1" brown color(NF EN 14387)

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	Clear Amber	--	--
Odour:	None	--	--
Odour threshold:	Not available	--	--
pH:	10.5	--	--
Melting point / freezing point:	28 deg F	--	--
Initial boiling point and boiling	219 deg F, 104 deg C	--	--

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range:			
Flash Point (deg F):	>199.4	--	--
Flash point (deg C):	>93	--	--
Evaporation rate:	<1	--	Butyl acetate = 1
Solid/gas flammability:	Not applicable	--	--
Upper/lower flammability or explosive limits:	Not applicable	--	--
Vapour pressure:	17.3 mm Hg at 20 deg C	--	DGBE = 0.02 mmHg at 20 degC
Vapour density:	Not available	--	--
Relative density:	0.96 - 1.04	--	Water Based
Solubility in water:	Completely soluble	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

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 product:

N.A.

Toxicological information of the main substances found in the product:

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

a) acute toxicity:

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Test: LD50 - Route: Oral - Species: Mouse = 2410 mg/kg bw
 Test: LD50 - Route: Skin - Species: Rabbit = 2764 mg/kg bw
 Route: Inhalation - Species: Rat > 29 ppm - Duration: 2h - Notes: IRT (inhalation risk test)

g) reproductive toxicity:

Test: NOAEL - Species: Mouse = 720 MGKGBWDAY - Notes: 14 weeks

3-METHOXY-3-METHYL-1-BUTANOL - CAS: 56539-66-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4300 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rabbit = 60 MGKGBWDAY

Test: LOAEL

- Route: Oral - Species: Rat = 250 mg/kg - Duration: 28 days

Test: NOAEL - Route: Oral - Species: Rat = 60 mg/kg - Duration: 28 days

Test: LOAEL

- Route: Inhalation - Species: Rat = 0.53 mg/l - Duration: 28 days

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

None.

Substance(s) listed on the IARC Monographs:

None.

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

None.

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

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 1300 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia = 4950 mg/l - Duration h: 48

Endpoint: LC50 - Species: Daphnia = 13415 mg/l - Duration h: 96 - Notes:

Americamysis bahia

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes: Desmodesmus subspicatus

Endpoint: EC10 - Species: Microorganisms > 1995 mg/l - Duration h: 0.5

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 100 mg/l

3-METHOXY-3-METHYL-1-BUTANOL - CAS: 56539-66-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Oryzias latipes

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: NOEC - Species: Algae = 1000 mg/l - Duration h: 72 - Notes: green algae(Selenastrum (Selenastrum capricornutum (green algae))

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: (Selenastrum capricornutum (green algae))

Endpoint: EC50 - Species: bacteria > 1000 mg/l - Duration h: 3

Endpoint: IC50 - Species: aquatic plants > 1000 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

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Endpoint: NOEC - Species: Daphnia = 100 mg/l - Notes: 21 days, Daphnia magna

Persistence and degradability

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Biodegradability: Photodegradation (in air) - Test: DT50 - Duration: 3-4 hours - Notes: 1.5×10^6 /cm², AOPWIN

Biodegradability: Biodegradation in water - Test: MITI modif(I) - Duration: 28 days - %: >80 - Notes: OECD 301C

3-METHOXY-3-METHYL-1-BUTANOL - CAS: 56539-66-3

Biodegradability: Readily biodegradable - Duration: 28 days

Bioaccumulative potential

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Log Pow 1 - Notes: 20°C

Mobility in soil

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5

Volality (H: Henry's Law Constant) 0 atm m³/mol - Notes: 25°C

Surface tension 0.0069 N/m - Notes: 20°C

Other adverse effects

No harmful effects expected.

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

14. TRANSPORT INFORMATION

UN number

Not classified as dangerous in the meaning of transport regulations.

UN proper shipping name

N.A.

Transport hazard class(es)

N.A.

Packing group

N.A.

Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

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

N.A.

The product is transported in conditions that comply with exemption criteria for ADR transport.

Special precautions

N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

List of substances included in the TSCA inventory: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether, 3-METHOXY-3-METHYL-1-BUTANOL.

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List of substances not included in the TSCA inventory:

2-(2-heptadec-8-en-1-yl-4,5-dihydro-1H-imidazol-1-yl)ethanol,
Capryloamphopropionate.

TSCA sections for substances listed in section 3:

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in TSCA Section 8b

3-METHOXY-3-METHYL-1-BUTANOL 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

No substances listed.

CAA - Clean Air Act

CAA listed substances:

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in CAA Section 111, Section 112(b) - HON, Section 112(b) - HAP.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

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

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of

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	Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average