



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name BRULIN SD 1291
Product number 304012
Company information Brulin & Company, Inc.
 P.O. Box 270
 Indianapolis, IN 46206 US
 www.Brulin.com
Emergency CHEMTREC 1-800-424-9300
General information Phone: 317-923-3211
 Fax: 317-925-4596

2. Hazards Identification

Emergency overview EYE AND SKIN IRRITANT.
 Combustible liquid.

Potential health effects

- Eyes** Contact with eyes may cause irritation.
- Skin** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.
- Inhalation** Prolonged or excessive inhalation may cause respiratory tract irritation.
- Ingestion** Moderately toxic and may be harmful if swallowed.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Propanol, (2-Methoxymethylethoxy)-	34590-94-8	< 80
Non-hazardous and other components below reportable levels		< > 20

Composition comments No dangerous ingredients according to Directive 2001/58/EC

4. First Aid Measures

First aid procedures

- Eye contact** Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
- Skin contact** Wash off with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
- Ingestion** Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.
- Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Extinguishing media

- Suitable extinguishing media** Dry chemical, carbon dioxide, foam

Specific methods Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions Prevent further leakage or spillage if safe to do so.

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Methods for containment Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Methods for cleaning up Never return spills in original containers for re-use.

Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling Do not handle or store near an open flame, heat or other sources of ignition. Avoid contact with eyes. Handle and open container with care.

Storage Keep in a well-ventilated place. Keep container tightly closed. Keep at temperatures between 4 and 48°C.

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection Wear chemical goggles. or Face-shield. Avoid contact with eyes.

Skin protection The use of butyl rubber gloves is recommended.

Respiratory protection No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. When using do not smoke.

9. Physical & Chemical Properties

Appearance	clear liquid
Color	Water clear
Odor	sweet/pungent
Odor threshold	Not available.
Form	Liquid.
pH	Not applicable
Freezing point	Not available.
Boiling point	212 - 350 °F (100 - 176.7 °C)
Flash point	155 °F (68.3 °C) Pensky-Martens Closed Cup
Evaporation rate	< 0.1 n Butyl Acetate=1
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor density	5.11 Air=1
Specific gravity	0.948
Solubility (water)	15 - 20 %
VOC	100 %

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.

Conditions to avoid None known.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Carbon monoxide and carbon dioxide.

Possibility of hazardous reactions Will not occur.

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11. Toxicological Information

Acute effects Acute LD50: 4394 mg/kg, Rat, Oral
Acute LD50: 13571 mg/kg, Rat, Dermal

Chronic effects Chronic intensive skin contact may cause dermatitis.

12. Ecological Information

Ecotoxicity This material is not expected to be harmful to aquatic life.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

14. Transport Information

DOT

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

IMDG

Not regulated as hazardous goods.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

US TSCA Section 12(b) Export Notification: Export Notification requirement/De minimis concentration

Propanol, (2-Methoxymethylethoxy)- (34590-94-8) 1.0 % One-Time Export Notification only.

CERCLA (Superfund) reportable quantity

Propanol, (2-Methoxymethylethoxy)-: 1.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

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Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

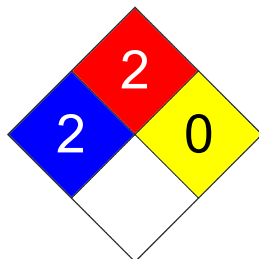
Propanol, (2-Methoxymethylethoxy)- (34590-94-8) Listed.

16. Other Information

HMIS rating

Health	/ 2
Flammability	2
Physical Hazard	0
Personal Protection	B

NFPA codes



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The 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, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

This data sheet contains changes from the previous version in section(s):

Physical & Chemical Properties: Physical & Chemical Properties

Issue date

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