



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name AQUA-SAFE
Product number 700040
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 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Contact with this material can cause irritation to the skin, eyes and mucous membranes.

Potential health effects

- Eyes** Irritating, and may injure eye tissue if not removed promptly.
- 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** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

3. Composition / Information on Ingredients

Components	CAS #	Percent
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	< 5
Propylene glycol monomethyl ether	107-98-2	< 2.5
Non-hazardous and other components below reportable levels		< > 90

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 with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.
- Ingestion** Give several glasses of water to dilute contents of stomach and call a physician. Never give anything by mouth to an unconscious person.
- Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.

General advice In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

- Suitable extinguishing media** Small Fires: Dry chemical, CO2, water spray or regular foam.
Large Fires: Water spray, fog or regular foam.

6. Accidental Release Measures

Personal precautions	Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Do not contaminate surface water.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
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. Prevent product from entering drains. Do not allow material to contaminate ground water system.

7. Handling and Storage

Handling	Handle and open container with care.
Storage	Keep at temperatures between 4 and 49 °C.

8. Exposure Controls / Personal Protection

Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Personal protective equipment	
Eye / face protection	Avoid contact with the skin and the eyes. Wear chemical goggles.
Skin protection	Use impervious gloves.
Respiratory protection	Not normally needed. 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.

9. Physical & Chemical Properties

Appearance	clear liquid
Color	blue green
Odor	citrus
Odor threshold	Not available.
Form	Liquid.
pH	12.9 - 13.3
Freezing point	Not available.
Boiling point	212 °F (100 °C)
Flash point	> 212 °F (> 100 °C) Pensky-Martens Closed Cup
Evaporation rate	1 (water=1)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor density	Not available.
Specific gravity	1.054
Solubility (water)	100 %
VOC	5.2 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Strong acids.
Hazardous decomposition products	Carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 13335 mg/kg, Rat, Oral
Chronic effects	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Further information	Symptoms may be delayed.

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
Aquatic toxicity	May cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]
Disposal instructions	Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

14. Transport Information

DOT	Not regulated as hazardous goods.
IATA	Not regulated as hazardous goods.
IMDG	Not regulated as hazardous goods.
ICAO	Not regulated as hazardous goods.

15. Regulatory Information

US federal regulations	All components are on the U.S. EPA TSCA Inventory List.
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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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

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Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
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

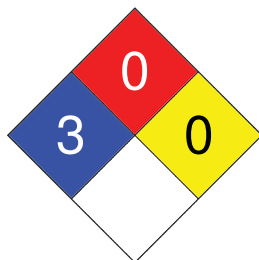
DIPROPYLENE GLYCOL METHYL ETHER Listed.
(34590-94-8)
Propylene glycol monomethyl ether (107-98-2) Listed.

16. Other Information

HMIS rating

Health	/ 3
Flammability	0
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.

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