Product number: 850771



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name TECH SPEC LENS CLEANER

Product number 850771

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 Vapors may cause drowsiness and dizziness.

Potential health effects

Eyes Can cause severe eye irritation.

Skin Prolonged and/or repeated skin contact may result in mild irritation or redness. Components of

the product may be absorbed into the body through the skin.

Inhalation Health injuries are not known or expected under normal use. Prolonged or excessive inhalation

may cause respiratory tract irritation.

Ingestion Health injuries are not known or expected under normal use. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhoea.

3. Composition / Information on Ingredients

Components	CAS#	Percent
Isopropyl alcohol	67-63-0	< 10
2-Butoxyethanol	111-76-2	< 2.5
Non-hazardous and other components below reportable levels		> 80

4. First Aid Measures

First aid procedures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention if irritation develops or persists.

Skin contact Wash with soap and water. Launder contaminated clothing before reuse. Get medical attention if

irritation develops or persists.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Call a physician if symptoms develop

or persist.

Ingestion Do not induce vomiting without medical advice. If conscious, drink plenty of water. If ingestion of a

large amount does occur, seek medical attention.

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

5. Fire Fighting Measures

Flammable properties Flammable Liquid.

Extinguishing media

Suitable extinguishing Small Fires: Dry chemical, CO2, water spray or regular foam.

media

Large Fires: Water spray, fog or regular foam.

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6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Remove all sources of ignition.

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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Prevent

entry into waterways, sewers, basements or confined areas.

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

Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers

for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface

thoroughly.

7. Handling and Storage

Handling Do not breathe gas/fumes/vapor/spray. Do not handle or store near an open flame, heat or other

sources of ignition. Take precautionary measures against static discharges.

Keep at temperatures between 4 and 50°C. Keep in a well-ventilated place. Keep out of the reach Storage

of children. Keep container tightly closed.

8. Exposure Controls / Personal Protection

Engineering controls Use general ventilation.

Personal protective equipment

Eye / face protection Safety glasses. or Goggles. Skin protection Impervious butyl rubber gloves.

No personal respiratory protective equipment normally required. When workers are facing Respiratory protection

concentrations above the exposure limit they must use appropriate certified respirators.

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

considerations practice.

9. Physical & Chemical Properties

Appearance Liquid. Color blue Odor alcohol Odor threshold Not available. Liquid. **Form**

7 - 8 pН < 30 °F (< -1.1 °C) Freezing point

192 °F (88.9 °C) **Boiling point**

98 °F (36.7 °C) Tag Closed Cup Flash point

Evaporation rate Not available. Not available. Flammability limits in air,

upper, % by volume

Flammability limits in air, lower, % by volume

Not available.

Not available. Vapor density

0.982 Specific gravity Solubility (water) 100 % VOC 11.15 % w/w

10. Chemical Stability & Reactivity Information

Chemical stability Stable.

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Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Carbon monoxide and carbon dioxide.

Possibility of hazardous

reactions

Will not occur.

11. Toxicological Information

Acute effects Acute LD50: 18661 mg/kg, Rat, Oral

Acute LD50: 13321 mg/kg, Rat, Dermal Acute LC50: 124 mg/l/4h, Rat, Inhalation

Carcinogenicity

IARC Monographs on Occupational Exposures to Chemical Agents: Overall evaluation

2-Butoxyethanol (111-76-2) 3 Classification not possible from current data.

US ACGIH Threshold Limit Values: A3 carcinogen

2-Butoxyethanol (111-76-2) Group A3 Confirmed animal carcinogen with unknown relevance to humans.

US ACGIH Threshold Limit Values: A4 carcinogen

Isopropyl alcohol (67-63-0) Group A4 Not classifiable as a human carcinogen.

Further information Symptoms may be delayed.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

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

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F

Disposal instructionsConsult authorities before disposal. Dispose in accordance with all applicable regulations. If

discarded, this product is considered a RCRA ignitable waste, D001. Incinerate the material under controlled conditions in an approved incinerator. Dispose of this material and its container at

hazardous or special waste collection point.

14. Transport Information

DOT

Basic shipping requirements:

Proper shipping name Flammable Liquid, NOS (Isopropyl alcohol)

Hazard class 3
UN number UN1993
Packing group III

Additional information:

Special provisions B1, B52, IB3, T4, TP1, TP29

Packaging exceptions150Packaging non bulk203Packaging bulk242ERG number128

DOT Requirements NON-BULK

Basic shipping requirements:

Proper shipping name Consumer Commodity, ORM-D (Isopropyl alcohol)

IATA

Basic shipping requirements:

Proper shipping name Flammable Liquid, NOS (Isopropyl alcohol)

Hazard class 3 UN number 1993 Packing group III

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Additional information:

Packaging instructions

310

cargo only

Maximum net quantity

packaging

Maximum net quantity packaging cargo only

220 L

60 L

ERG code

3L

IMDG

Basic shipping requirements:

Proper shipping name Flammable Liquid, NOS (Isopropyl alcohol)

Hazard class 3

UN number UN1993 Ш **Packing group**

Additional information:

Packaging exceptions 150 Labels required 3







15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA (Superfund) reportable quantity

2-Butoxyethanol: 1.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes **Hazard categories**

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

Section 302 extremely No

hazardous substance

Section 311 hazardous Yes

chemical

This product does not contain a chemical known to the State of California to cause cancer, birth State regulations

defects or other reproductive harm.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-Butoxyethanol (111-76-2) Listed. Isopropyl alcohol (67-63-0) Listed.

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16. Other Information

HMIS rating



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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