



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Eco-All Purpose Spotter
CAS # Mixture
Product Use Spot cleaner
Manufacturer information CFR Division of Tacony Corporation
3101 Wichita Court
Fort Worth, TX 76140-1710 US
Phone: 1-800-880-2913 ext.150

2. Hazards Identification

Emergency overview CAUTION
COMBUSTIBLE LIQUID AND VAPOUR.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes May cause irritation.

Skin May cause irritation.

US ACGIH Threshold Limit Values: Skin designation

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Dipropylene glycol methyl ether (CAS 34590-94-8) Can be absorbed through the skin.

Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Eyes. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Potential environmental effects See section 12.

3. Composition/Information on ingredients

Components	CAS #	Percent
2-Propanol, 1-butoxy-	5131-66-8	1 - 5
Dipropylene glycol monobutyl ether	29911-28-2	1 - 5
Dipropylene glycol methyl ether	34590-94-8	0.5 - 1.5

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.

Skin contact Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Notes to physician Treat patient symptomatically.

General advice

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep away from sources of ignition. No smoking. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties	Combustible by WHMIS criteria.
Extinguishing media	
Suitable extinguishing media	Alcohol foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental release measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and storage

Handling	Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Use good industrial hygiene practices in handling this material. Wash thoroughly after handling. When using do not eat or drink. Keep container tightly closed.
Storage	Keep away from heat and flame. Do not store at temperatures above 120°F (49°C). Store in a closed container away from incompatible materials. Keep out of reach of children.

8. Exposure controls/Personal protection

Occupational exposure limits**US. ACGIH Threshold Limit Values****Components****Type****Value**

Dipropylene glycol methyl ether (CAS 34590-94-8)

STEL

150 ppm

TWA

100 ppm

Exposure limits

Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH.

Engineering controls

Ensure adequate ventilation.

Personal protective equipment

Eye/Face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

9. Physical and chemical properties

Appearance	Clear
Colour	Colourless
Form	Aqueous solution
Odour	Solvent
Odour threshold	Not available.
Physical state	Liquid.
pH	7 - 7.5
Freezing point	Not available.
Boiling point	Not available.
Pour point	Not available.
Evaporation Rate	Not available
Flash point	63.0 °C (145.4 °F)
Auto-ignition temperature	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Specific gravity	1 - 1.01
Partition coefficient (n-octanol/water)	Not available.
Solubility (Water)	Not available.
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and reactivity

Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Chemical stability	Stable under recommended storage conditions. Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological information

Toxicological data

Components	Species	Test results
2-Propanol, 1-butoxy- (CAS 5131-66-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	3100 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	3300 mg/kg
Dipropylene glycol methyl ether (CAS 34590-94-8)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	10000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	5400 mg/kg
Dipropylene glycol monobutyl ether (CAS 29911-28-2)		
Acute		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	3700 mg/kg

Effects of acute exposure

Eye contact May cause irritation.

Skin contact May cause irritation.

US ACGIH Threshold Limit Values: Skin designation

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Inhalation Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion May cause stomach distress, nausea or vomiting.

Sensitisation Non-hazardous by WHMIS criteria.

Chronic effects Non-hazardous by WHMIS criteria.

Carcinogenicity Non-hazardous by WHMIS criteria.

Mutagenicity Non-hazardous by WHMIS criteria.

Reproductive effects Non-hazardous by WHMIS criteria.

Teratogenicity Non-hazardous by WHMIS criteria.

Name of Toxicologically Synergistic Products Not available.

12. Ecological information

Ecotoxicity Not available.

Persistence and degradability Not available.

Bioaccumulation/accumulation Not available

Mobility in environmental media	Not available.
Environmental effects	Not available.
Aquatic toxicity	Not available.
Partition coefficient	Not available.
Chemical fate information	Not available.

13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport information

General	Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods.

15. Regulatory information

Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

2-Propanol, 1-butoxy- (CAS 5131-66-8) 1 TONNES

Canada WHMIS Ingredient Disclosure: Threshold limits

Dipropylene glycol methyl ether (CAS 34590-94-8) 1 %

WHMIS status	Controlled
WHMIS classification	Class B - Division 3 - Combustible Liquid, Class D - Division 2B
WHMIS labeling	



Inventory Status

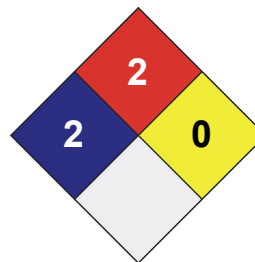
Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

16. Other information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by

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Other information

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.