



Equipment Cleaner and Turnout Spotter

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Equipment Cleaner and Turnout Spotter
SDS Number: 5045
Revision Date: 12/13/2017
Product Description: Non-abrasive cleaning agent for stain removal.
Product Use: Removes grease, tar, paint, inks, soot, rubber, plastic residues and much more from turnout gear and hardware.
Supplier Details: Winsol Laboratories Inc
1417 NW 51st St
Seattle, WA 98107
Emergency: INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)
Phone: 206-782-5500
Web: www.winsol.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 B
Physical, Flammable Liquids, 4

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

no GHS pictograms indicated for this product

GHS Hazard Statements:

H320 - Causes eye irritation
H227 - Combustible liquid

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 - IF SWALLOWED: May cause gastrointestinal irritation.
P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
P304 - IF INHALED: Remove to fresh air.
P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
34590-94-8	>80%	dipropylene glycol methyl ether

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.



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4 FIRST AID MEASURES

Inhalation:	Not considered dangerous. Remove to fresh air.
Skin Contact:	Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
Eye Contact:	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
Ingestion:	Swallowing may cause gastrointestinal irritation. Do not induce vomiting. Rinse mouth with water, then drink one glass of water. If irritation persists consult medical personnel.

5 FIRE FIGHTING MEASURES

Flammability:	Combustible
EXTINGUISHING MEDIA:	Water
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

LARGE SPILL: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

WASTE DISPOSAL METHOD: Review Federal, Provincial and Local Government requirements prior to disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise care and caution. Store in cool dry place.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

7 HANDLING AND STORAGE

Handling Precautions:	Keep material out of reach of children.
Storage Requirements:	Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment:	Dipropylene glycol methyl ether (34590-94-8) [>80%] Personal protective equipment Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
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Skin and body protection: Impervious clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Dipropylene glycol methyl ether (34590-94-8) [>80%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
 600 mg/m3 Limits for Air Contaminants
 Skin designation The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
 600 mg/m3 1910.1000
 Skin notation

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
 900 mg/m3 1910.1000
 Skin notation

TWA 100 ppm USA. NIOSH Recommended Exposure Limits
 600 mg/m3
 Potential for dermal absorption

ST 150 ppm USA. NIOSH Recommended Exposure Limits
 900 mg/m3
 Potential for dermal absorption

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear	Odor:	Citrus
Physical State:	Liquid	Solubility:	Miscible
Odor Threshold:	No data available	Freezing/Melting Pt.:	No data available
Spec Grav./Density:	.96	Flash Point:	-167° F
Viscosity:	No data available	Vapor Density:	No data available
Boiling Point:	356° F	Auto-Ignition Temp:	400° F
Flammability:	Combustible liquid	UFL/LFL:	No data available
Partition Coefficient:	No data available		
Vapor Pressure:	No data available		
pH:	No data available		
Evap. Rate:	No data available		
Decomp Temp:	No data available		



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10 STABILITY AND REACTIVITY

Reactivity:	Product is stable under normal conditions.
Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	N/A
Materials to Avoid:	Strong Oxidizing Agents, Acids.
Hazardous Decomposition:	Not known.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Dipropylene glycol methyl ether (34590-94-8) [>80%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,152 mg/kg

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information: RTECS: JM1575000

12 ECOLOGICAL INFORMATION

Dipropylene glycol methyl ether (34590-94-8) [>80%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available



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13	DISPOSAL CONSIDERATIONS
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Dipropylene glycol methyl ether (34590-94-8) [>80%]

Waste treatment methods

Product: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14	TRANSPORT INFORMATION
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Non-regulated.

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

 Dipropylene glycol methyl ether (34590-94-8) [>80%] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

 MASS = MA Massachusetts Hazardous Substances List
 OSHAWAC = OSHA Workplace Air Contaminants
 PA = PA Right-To-Know List of Hazardous Substances
 TSCA = Toxic Substances Control Act
 TXAIR = TX Air Contaminants with Health Effects Screening Level

16	OTHER INFORMATION
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HMIS III: Health = 1, Fire = 2, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS	PPE
HEALTH 1	
FLAMMABILITY 2	
PHYSICAL HAZARD 0	
PERSONAL PROTECTION B	

HMIS Index: 1-slight, 2-moderate, 3-serious, 4-severe

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ISSUE DATE: 05/13/15
 REVISION DATE: 12/13/17
 REVISIONS: 3 year revision/review