



This SDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals. For chemical emergencies, spills, leaks, fire or exposure call CHEMTREC (800) 424-9300, in Canada CANUTEC 613-996-6666.

All non-emergency questions should be directed to customer service for assistance (585) 235-1851

Dragon Soap

1. Product Identification

Product Identifier: Firefighter PPE Detergent
Chemical Name: Aqueous mixture
Formula Code: [Insert code]

Relevant identified uses of the substance or mixture and uses advised against:
Specifically formulated to launder Firefighter PPE without affecting the integrity of the protective gear

Details of the supplier of the safety data sheet:
This Safety Data Sheet has been updated in accordance with the Global Harmonized System (GHS)

Manufacturer/Supplier:
TurnOut Express LLC
1250 Scottsville Rd. # 90
Rochester, NY 14624

Information Department:
(585) 235-1851

Emergency telephone number:

2. Hazards Identification

Classification according to 29CFR 1910.2012



H320 Causes eye irritation
H335+H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Label elements:

Hazard Pictograms:



GHS07

Signal word: Warning!

Hazard Determining components of labeling: See section #3

Hazard Statements

H320 Causes eye irritation
H335/H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary Statements

P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P301/P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305/P351/P338 IF IN EYES: Rinse continually with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

NFPA ratings

Health: 1

Fire: 0
Reactivity: 0

HMIS ratings

Health: 1
Fire: 0
Reactivity: 0

Other Hazards:

Results of PBT and vPvB assessment

PBT: Data not available

vPvB: Data not available

Classification of the Chemical:

Non viscous, clear liquid

Other Hazards Not Otherwise Classified:

No data available

3. Composition/Information on ingredients

CAS No.	Description	% Range
CAS: 34590-94-8 EINECS: 252-104-2	Dipropylene glycol monomethyl ether	0.00 – 0.50%
CAS: 60-00-4 EINECS: 200-449-4	Tetrasodium EDTA	0.10% – 0.30%
CAS: 68439-46-3 EINECS: 614-482-0	Alcohols, C9-C11, ethoxylated (linear)	8.00 – 10.0%
CAS: 6440-58-0 EINECS: 229-222-8	DM DM Hydantonin	0.00 – 0.50%
CAS: 8002-09-3 EINECS: 232-688-5	Pine Oil	3.00 – 5.00%

4. First Aid Measures

General Advice: In the case of accident or if you feel ill, seek medical attention.

Inhalation: Avoid breathing vapors or mists. Move to fresh air. Seek medical attention.

Skin contact: Wash immediately with soap and water. If skin irritation persists, seek medical attention.

Eye contact: Rinse thoroughly with water for at least 15 minutes and seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

Most Important Effects/Symptoms: See section 2.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

5. Fire Fighting Measures

Suitable extinguishing media: Water; CO₂ foam

Specific hazards: Eye and Skin irritant

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Extinguishing media which must not be used for safety reasons: Not applicable

Specific methods: Not applicable

6. Accidental Release Measures

Personal precautions: Ensure adequate ventilation. Avoid contact with skin and eyes

Environmental precautions: Local authorities should be advised if significant spillages cannot be contained. Do not contaminate surface water. Prevent further leakage or spillage.

Methods for cleaning up: Package all material in plastic, cardboard or metal containers for disposal in compliance with all federal, state and local regulations.

7. Handling and Storage

Handling precautions: Obtain special instructions before use. Be sure to use personal protective equipment. Use in well-ventilated location. Wash hands thoroughly after use.

Storage: Store at room temperature in the original container. Do not freeze. Avoid any and all ignition sources.

Incompatible products: None reasonably foreseeable.

8. Exposure Controls/Personal Protection

CAS No.	ACGIH TLV		OSHA PEL		Other Expo. Limits
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	

Exposure limits for product unknown

Exposure Controls

Ventilation and engineering measures: Use only in well-ventilated areas. Apply technical measures to comply with occupational exposure limits.

Respiratory Protection: If airborne concentrations are above the permissible exposure limit, use NIOSH-approved respirators. Respirators should be chosen in accordance with OSHA (29 CFR 1910.134)

Skin Protection: Protective gloves should be worn, as well as a set of resistant coveralls and boots.

Eye Protection: Protective eyewear/goggles must be worn and be tight-fitting; must also have side-shield.

Other Protective Equipment: Eyewash stations and safety showers should be ready for use and nearby the handling area.

General Hygiene: Avoid contact with skin, eyes, and clothing. Remove and launder contaminated clothing before re-use.

9. Physical and Chemical Properties

General Information

pH @70° F: 7 – 8

Water Solubility: infinite

Vapor density: >1 (air = 1)

Evaporation rate: <1 (butyl acetate = 1)

Viscosity: 0-50 cP (77 F; sp. 2 @ 100 RPM)

Specific gravity: 1.00

Flash point: N/A

Color: Clear to yellow

10. Stability and Reactivity

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Conditions to avoid: Extremes of temperature and direct sunlight.

Materials to avoid: Strong acids and oxidizing agents.

Hazardous decomposition products: None reasonably foreseeable

11. Toxicological Information

Information on likely routes of exposure:

Routes of entry – inhalation: YES

Routes of entry – skin/eye: YES

Routes of entry – ingestion: NO

Carcinogenicity:

Product not believed to be carcinogenic

Mutagenicity:

Not expected to be mutagenic.

Reproductivity:

Not believed to have reproductive effects on humans.

Sensitization to material:

Product may cause respiratory sensitization if mists are inhaled

Specific target organ effects:

Product not known to affect any target organs.

Medical conditions aggravated by overexposure:

Existing skin and eye conditions.

Toxicological data:

Not Applicable

12. Ecological Information

Ecotoxicity

Ingredients and overall product are not considered acutely toxic (by GHS) for the environment, or are present in such low concentrations that they do not affect environmental toxicity.

Persistence and Degradability:

Product is believed to fully degrade, though testing has not confirmed this.

Bioaccumulation Potential:

Product itself has not been tested; believed to lack bioaccumulation potential.

Mobility in Soil:

The product itself has not been tested; believed to not permeate easily throughout topsoil.

Other Adverse Environmental Effects:

None reasonably foreseeable.

13. Disposal Considerations

Handling for disposal:

Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures found in sections 7 and 8.

Methods of disposal:

Dispose in accordance with all applicable federal, state, provincial, and local regulations. Contact your local state, provincial, or federal environmental agency for specific rules.

RCRA:

If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state, and federal environmental agencies

14. Transport Information

General Transportation Statement

DOT non-bulk shipments non-regulated

IATA N/A

IMDG. N/A

Other information:

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements and mode-specific or quantity-specific shipping requirements

15. Regulatory Information

Components TSCA DSL/NDSL Canada - WHMIS Classification

CAS No.	Description	% Range
N/A	N/A	N/A

*Exact concentrations are withheld to protect the proprietary value of the formula/product.

16. Other Information

TurnOut Express LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly-trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. TurnOut Express LLC MAKES NO

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Prepared by: Health & Safety

*Effective Date: 8/11/20 * * * * Supercedes: N/A*