



# Safety Data Sheet

## Gear Clean

Daytime Phone (877) 474-7501

### 1. Identification

**Product Name:** Gear Clean

**Trade Name:** Gear Clean

**Company Name and Synonyms:** Turnout Gear & PPE Cleaner for industrial of commercial use only.

**Company Name and Address:** Shield Solutions LLC. W1737 Washington Rd, Oconomowoc, WI 53066

**Daytime Telephone Number (8:00 am – 5:00 pm CST):** (877) 474- 7501

**Email Address:** info@shieldsolutionsllc.com

**Website:** www.shieldsolutionsllc.com

### 2. Hazards Identification

**Threshold Limit Value:** Product has no Occupational Safety and Health Administration (OSHA) listed ingredients in concentrations greater than 1.0% by weight. Product considered "NON-HAZARDOUS" by WHIMS/OSHA criteria and is not listed by IARC, NTP, or ACGIH (OSHA 29 CFR 1910.1000Z-1).

#### Signs and Symptoms of Exposure

**Skin:** May cause slight irritation or dryness if prolonged contact occurs with ready-to-use product. Excessive, prolonged or repeated direct exposure to product without gloves may de-oil and degrease skin over time. Some people may be sensitive to the skin de-oiling process, causing temporary redness and possible contact dermatitis.

**Eyes:** Avoid eye contact. May cause slight to moderate temporary irritation if contact occurs, including tearing and possible swelling.

**Inhalation:** Vapor or mist may cause irritation in sensitive individuals. Prolonged overexposure may cause coughing, dizziness, and shortness of breath in some sensitive individuals.

**Ingestion:** Do not eat or drink this material in concentrated or diluted form. Product may cause nausea and weakness if consumed.

### 3. Composition (as defined by federal requirements for potentially hazardous ingredients over 1.0% by weight)

Hazardous Ingredients	Weight Percent	CAS Number	Recommended Limits
Proprietary blend of non-hazardous ingredients	NA	NA	NA

### 4. First-Aid Measures

**Skin Contact:** For concentrated or dilute product, rinse affected area with fresh water. It is a good idea to wash soaked or heavily contaminated clothing before reuse. After flushing skin, use skin lotion to restore moisture to the skin and relieve possible dryness and redness.

**Eyes:** Flush eyes thoroughly with plenty of fresh, cool water. Hold lids open while flushing. If mild irritation persists after flushing or if irritation is for some reason severe, call a physician promptly.

**Inhalation:** Remove affected person to fresh air. If prolonged shortness of breath or dizziness persists, call a physician promptly.

**Ingestion:** Drink a quart of water. DO NOT induce vomiting. Risk of lung damage exceeds poisoning risk. Never give anything by mouth to an unconscious person. Call a physician.

**Note to physician:** Treatment of overexposure should be directed at the control of symptoms and the patient's clinical condition. Product contains primarily non-hazardous detergents.

### 5. Fire Fighting Measures

**NFPA hazard rating:** Health: **1** (potential eye irritant) Flammability: **0** Reactivity: **0**

**Flashpoint:** Over 200°F (TCC)

**Flammable Limit:** LEL – None Established. UEL – None Established.

**Auto-ignition temperature:** Not applicable.

**Extinguishing Media:** For fires use appropriate media such as water spray, dry chemical, or carbon dioxide foam.

**Unusual Explosion Hazards:** Extreme heat may cause pressure to build up inside container. This product should be used at recommended temperatures not to exceed 200°F (93°C). Always avoid open flame and extreme heat when using any cleaning products.

**Required special protective equipment for firefighters:** In case of fire, evacuate area of all unprotected personnel. Wear proper safety equipment, including full protective clothing and self-contained breathing apparatus with full facepiece operated in a pressure demand or other positive pressure mode. Emits toxic fumes when burned, so prevent eye, skin and lung contact. Cool heat exposed containers with water

### 6. Accidental Release Measures

**Steps to be taken in case material is spilled or released:** Observe all federal, state, and local regulations. Do not discharge large amount of product directly into public sewers or waterways. In case of large spill, absorb with clay of diatomaceous earth and dispose according to federal, state, and local regulations. Cleaner-soaked floors may be slippery.

### 7. Handling And Storage

**Handling and storage:** Keep from freezing. Do not store in metal containers, use plastic containers only. Keep containers tightly closed until used. Do not mix with other chemicals. Store in cool and dry area. Optimal storage temperature 50 - 80°F. Keep out of direct sunlight. Do not store near open flames of other extreme heat sources. Make sure containers are labeled properly. Read and understand the SDS before using any chemical products.



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### 8. Exposure Control

**Personal protection equipment** Consult your safety equipment supplier for proper equipment use and care guidelines.

**Respiratory Protection:** Use product in a ventilated area. Respiratory protection is not normally required. A NIOSH approved dust/mist respirator may be used by lung sensitive individuals if needed

**Eye Protection:** Safety glasses and a face shield are recommended. Do not wear contact lenses when using this chemical product.

**Skin Protection:** Other than normal work apparel, not normally required. Protective gloves recommended for skin sensitive individuals when handling the concentrated product.

**Other Protective Equipment:** Fresh water source (hose, eye wash or safety shower) in work area is required when handling any chemical.

**Engineering controls:** Good general ventilation and no ignition source.

### 9. Physical And Chemical Properties

**Chemical Family:** Cleaning Product

**pH (undiluted):** 6.5 – 7.5

**Flammable limits in air:** Not applicable

**Finished Product Weight:** Not determined

**Appearance:** Clear blue liquid

**Boiling Point:** 212°F (100°C)

**Freezing Point:** 32°F (0.5°C)

**Percent Volatile Less Water (Weight %):** 0% (None)

**Odor:** Slight, pleasant odor

**Flash Point:** >200°F (93°C)

**Solubility in Water:** 100%

### 10. Stability and Reactivity

**Stability:** Stable

**Materials to avoid:** Avoid contact with strong alkalis, bleach, strong oxidizers, acids, strong reducers. In short, do not mix with any other chemicals.

**Hazardous Decomposition Products:** Burning can produce carbon monoxide, carbon dioxide, hydrogen sulfide, oxides of sulfur and normal products of combustion in trace amounts.

**Hazardous Polymerization:** Will not occur

**Conditions to avoid:** Excessive heat, open flames, or contact with incompatible materials

### 11. Toxicological Information

**Route(s) of entry:**

**Skin:** Yes

**Eyes:** Yes

**Inhalation:** Yes

**Ingestion:** Yes

**Health Hazards (acute and chronic)**

**Acute:** Possible slight to moderate temporary eye irritant. May cause skin and respiratory system irritation in some sensitive individuals.

**Chronic:** May cause contact skin dermatitis in some individuals sensitive to degreasing of the skin.

**Listed as a carcinogen/ potential carcinogen:** NTP: No

**I.A.R.C. Monographs:** No

**OSHA:** No

### 12. Ecological Information

**Eco-toxicity:** Not exactly known, However, data provided by manufacturer shows individual raw materials (undiluted) have low to moderate acute aquatic toxicity in the most sensitive species tested. This material is phosphate-free and is expected to be readily biodegradable.

**Environmental Fate:** Not known exactly, but material is expected to be biodegradable.

**Bioaccumulation:** Not known, but material is expected to be readily biodegradable.

### 13. Disposal Considerations

Dispose of unused concentrated material, as well as empty containers, in compliance with federal, state, and local regulations. Do not re-use empty containers for other purposes. Empty containers should be triple-rinsed prior to disposal or recycling. Do not dump large quantities of un-neutralized product directly into sewers, on the ground or into any body of water. Not expected to be a RCRA substance based on application.

### 14. Transport Information

**DOT (U.S. Department of Transportation):** Not regulated

**Proper Ground Shipping Name:** Not regulated, non-hazardous liquid

**Marine Pollutant:** See Section 12

**Air and Water Shipping Name:** Non-Regulated.

### 15. Regulatory Information

**TSCA:** The components that are required to be listed under the TSCA are listed in section 3.

**SARA Title 3 Section 313, 312, 311:** Toxic chemical notification and release reporting: None of the ingredients are listed.

**California Prop. 65:** This product is not listed to contain any ingredients listed by State of California to cause cancer.

**CARB VOC Content:** Product currently meets California Air Resource Board (CARB) VOC limits.

### 16. Other Information

The Safety Data Sheet relates only to the specific information contained and does not relate to other materials or processes. The data contained is believed to be correct, current, and presented in good faith. However, because the conditions of use are outside our control, it should not be taken as a warranty or representation, expressed or implied, for which Shield Solutions, LLC, or agents acting on their behalf, assume legal responsibility. This information is provided solely for consideration, investigation, and verification.

Disclaims any liability against infringement of any patent through customer use of any product or process in combination with other materials or processes. Other precautions: For industrial and commercial use only. Keep out of reach of children and pets. Avoid eye and excessive skin contact. Do not swallow. Wash thoroughly after handling.

**Revision Date:** 03/20/15

**NOTE:** Specifications and government regulations may change without notice. This document should not be regarded as legal advice or regulation. For questions relating to specific aspects of the requirements and regulations, please ask the proper regulatory agency. Always check with your local government or transporter.