Safety Data Sheet

Section 1 – Identification

Product Identifier: Turnout Gear and PPE Wash
Other means of Identification: Specialty Cleaner

Name and Address of Responsible Parties:
Chief’s Choice, LLC
8000 W. Good Hope Rd.
Milwaukee, WI  53223

Information Telephone #: 1-262-353-5776
24 Hr. Emergency Telephone Number: INFOTRAC- 1-800-535-5053
International 24 Hr. Emergency Telephone Number: INFOTRAC – 1-352-323-3500

Contract # - 106253

Section 2 – Hazards Identification

Classification of the Chemical:
Clear blue liquid with citrus odor.

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

Hazardous classification:
Eye damage/eye irritation – Category 1
Skin Corrosion/irritation – Category 2

Label elements:

Signal Word: Danger

Hazard Statements: Causes serious eye damage.
Causes skin irritation

Precautionary Statements:
If in eyes: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek immediate medical advice.
Wash hands thoroughly after handling.
Wear protective eye/face protection and protective gloves.
If on skin, wash with plenty of water.
Take of contaminated clothing and wash before reuse.
If skin irritation occurs: Seek medical advice.
Section 2 – Hazards Identification (Continued)

Hazard Pictogram(s)

Other Hazards not otherwise classified: Not Applicable

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name, Common Name</th>
<th>CAS #</th>
<th>Concentration wt/wt(*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Alkoxylated linear alcohol</td>
<td>Trade secret</td>
<td>5-25</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>8028-48-6</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Sodium Tetraborate</td>
<td>1330-43-4</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Lauramine Oxide</td>
<td>Trade secret</td>
<td>2-10</td>
</tr>
</tbody>
</table>

- **Note:** The exact concentrations of the chemical(s) above are being withheld as a trade secret.

Section 4 – First-Aid Measures

Description of first aid measures:

*Inhalation:* Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.

*Skin contact:* Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.

*Eye contact:* Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical advice.

*Ingestion:* Do NOT induce vomiting unless instructed by medical personal. Never give anything by mouth to an unconscious person. Give person 1-2 cups of water to drink. Get medical attention.
Section 4 – First-Aid Measures (Continued)

Most important symptoms and effects, both acute and delayed:  
Ingestion may cause gastrointestinal irritation and vomiting.  
Irritation of eyes such as burning sensation, redness, itching and/or watering.  
Skin irritation such as redness, extreme dryness and peeling, scarring.

Indication of any immediate medical attention and special treatment needed:  
Treat symptomatically

Section 5 – Fire-Fighting Measures

Extinguishing media:  
*Suitable extinguishing media:* Water fog, Carbon dioxide, Dry chemical, Foam  
*Unsuitable extinguishing media:* Not available

Special hazards arising from the substance or mixture: None Known


Hazardous combustion products: Carbon oxides, Nitrogen oxides, ammonia

Special protective equipment and precautions for firefighters: *Protective equipment for fire-fighters:* Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:  
All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in section 7 and 8.

Methods and materials for containment and clean up:  
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Dispose of according to local, state and federal regulations.
Section 7 – Handling and Storage

Precautions for safe handling:
Wear protective gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Keep containers tightly closed.

Conditions for safe storage:
Store in cool, dry and ventilated place. Store in original containers. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

Incompatible materials:
Strong oxidizers, caustics, halogens, Alkalines, acids, reactive chemicals, nitrosating agents.

Section 8 – Exposure Controls/Personal Protection

Exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH-TLV</th>
<th>OSHA-PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>10ppm TWA (WEEL)</td>
<td>Not available</td>
</tr>
<tr>
<td>Alkoxylated linear alcohol</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>30ppm TWA (WEEL)</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium Tetraborate</td>
<td>2mg/m3 (TWA)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lauramine Oxide</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Exposure controls:

Ventilation and engineering measures: Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory measures: If airborne concentrations are above the permissible exposure limit use NIOSH approved respirators.

Skin Protection: Wear gloves if skin contact is likely.

Eye/face Protection: Safety glasses with side shields, goggles or face mask.

Other Protective equipment: Ensure that eyewash stations and a safety shower are close to the workstation(s).

General hygiene considerations: Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.
Section 9 – Physical and Chemical Properties

Appearance: Clear blue liquid.
Odor: Citrus
Odor threshold: Not available
PH: 8.0
Melting/Freezing point: Not available
Boiling point and boiling range: >100°C (212°F)
Flash point: >93°C (199.4°F)
Evaporation point (Butyl Acetate=1): Not available
Flammability (method determination): Not available
Lower flammability limit (% by vol.): Not available
Upper flammability limit (% by vol.): Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: 1.01
Solubility in water: Complete
Partition Coefficient (n-octanol/water): Not available
Auto ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
Volatile (% by wt) = 2
Volatile organic compounds: d-limonene
Other physical/chemical comments: No addition information.

Section 10 – Stability and Reactivity

Reactivity: Not normally reactive.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Extreme temperatures.

Incompatible materials: Strong oxidizers, caustics, halogens, Alkalines, acids, reactive chemicals, nitrosating agents.

Hazardous decomposition products: Carbon oxides, Nitrogen oxides, ammonia.

Section 11 – Toxicological Information

Information on routes of exposure:
Routes of entry-inhalation: YES
Routes of entry-skin & eye: YES
Routes of entry-Ingestion: YES
Routes of entry-skin absorption: YES
Section 11 – Toxicological Information (Continued)

Potential Health Effects:

Signs and symptoms of short term exposure:
Signs and symptoms: Inhalation – May cause respiratory irritation.

Signs and symptoms: Ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Signs and symptoms: Skin – May cause irritation, redness, extreme dryness and peeling.

Signs and symptoms: Eyes – Causes serious eye damage/irritation. Burning, impaired vision, redness, itching, tearing, pain, conjunctival swelling may be signs of exposure.

Potential Chronic Health Effects: No data available

Mutagenicity: Not hazardous by OSHA/WHMIS criteria.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects: No data available

Sensitization to material: No data available

Specific target organ effects: No data available

Medical conditions aggravated by overexposure: No data available.

Toxicological data: The calculated ATE values for this mixture are above classification parameters.

ATE (oral) = 8,907mg/kg (rat)
ATE (dermal) = >2,000mg/kg (rabbit)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50-Oral</th>
<th>LD50-Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>1,230mg kg (rat)</td>
<td>Not available</td>
</tr>
<tr>
<td>Alkoxylated linear alcohol</td>
<td>2,380mg/kg (rat)</td>
<td>&gt;2,000mg/kg (rabbit)</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>&gt;5,000mg/kg (rat)</td>
<td>&gt;5,000mg/kg (rabbit)</td>
</tr>
<tr>
<td>Sodium Tetraborate</td>
<td>2,400mg/kg (rat)</td>
<td>&gt;2,000mg/kg (rabbit)</td>
</tr>
<tr>
<td>Lauramine Oxide</td>
<td>1,065 mg/kg (rat)</td>
<td>&gt;2,000mg/kg (rabbit)</td>
</tr>
</tbody>
</table>
Section 12 – Ecological Information

Ecotoxicity: No data available

Mobility in Soil: No data available

Persistence and degradability: No data available.

Bioaccumulation potential: No data available

Other adverse Environmental effects: None Known.

Section 13 – Disposal Information

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

Section 14 – Transportation Information

US 49 CFR/DOT Hazard Classification:
Not DOT Regulated

DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in CFR 49 171.8.

Special Transportation Notes: None

Section 15 – Regulatory Information

US Federal Information:
TSCA: All listed ingredients appear on the Toxic Substances Control Act or are exempt.

US CERCLA Reportable quantity (RQ): Not Applicable

SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
Section 15 – Regulatory Information (Continued)

SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes:
Reactive Hazard, Acute Health Hazard, Chronic Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA Title III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

State Regulations:
California Proposition 65: This product does contain a chemical(s) known to the State of California to cause, birth defect, reproductive harm or cancer.

International Information:
Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Section 16 – Other Information

HMIS – Hazardous Materials Identification System
Health -2 Flammability -1 Physical Hazard -0 PPE –B

NFPA – National Fire Protection Association
Health -2 Flammability -1 Reactivity -0

Abbreviations legend:
ACGIH: American Conference of Governmental Industrial Hygienist
CAS: Chemical abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1986
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
ECOTOX: U.S. EPA Ecotoxicology Database
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection agency
HSDB: Hazardous Substances database
IARC: International Agency for Research on Cancer
IBC: Intermediate Bulk Container
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
Section 16 – Other Information (Continued)

LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Cooperation and Development
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

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(Updated product identifier and telephone numbers, 3/8/16)

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