1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name
Dyem Transparent Stain Aerosol - Steel Blue and Steel Red

Other means of identification

Part Number
Dk Blue - Steel Blue (80000), Red - Steel Red (80096)

Formula Code
Dk Blue - Steel Blue (8703A), Red - Steel Red (8704A)

UN-Number
UN1950

Synonyms
None

Recommended use of the chemical and restrictions on use

Recommended Use
Staining Colors

Uses advised against
No information available

Supplier’s details

Supplier Address
ITW PRO BRANDS
805 E. Old 56 Highway
Olathe, KS 66061
TEL: 1-800-443-9536

Emergency telephone number

Emergency Telephone Number
800-535-5053 Infotrac

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific Target Organ Systemic Toxicity (Single Exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Flammable aerosols</td>
<td>Category 1</td>
</tr>
<tr>
<td>Gases under pressure</td>
<td>Compressed gas</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements
Emergency Overview

Signal Word
Danger

Hazard Statements
• Causes mild skin irritation
• Causes serious eye damage
• Suspected of damaging fertility or the unborn child
• May cause respiratory irritation
• May cause drowsiness or dizziness
• Extremely flammable aerosol
• Contains gas under pressure; may explode if heated

Appearance
Red, Blue, Color: Thin viscosity, (for liquid)

Physical State
Aerosol.

Odor
Sweet, Solvent

Precautionary Statements

Prevention
• Wear eye/face protection.
• Avoid breathing dust/fume/gas/mist/vapors/spray.
• Use only outdoors or in a well-ventilated area.
• Obtain special instructions before use.
• Do not handle until all safety precautions have been read and understood.
• Use personal protective equipment as required.
• Keep away from heat/sparks/open flames/hot surfaces - No smoking.
• Do not spray on an open flame or other ignition source.
• Pressurized container: Do not pierce or burn, even after use.

General Advice
• If exposed or concerned: Get medical attention/advice

Eyes
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
• Immediately call a POISON CENTER or doctor/physician.

Inhalation
• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage
• Store in a well-ventilated place. Keep container tightly closed.
• Store locked up.
• Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
• Protect from sunlight

Disposal
• Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>15-40</td>
<td>*</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>123-86-4</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>7-13</td>
<td>*</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>71-36-3</td>
<td>5-10</td>
<td>*</td>
</tr>
<tr>
<td>Diacetone alcohol</td>
<td>123-42-2</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Nitrocellulose</td>
<td>9004-70-0</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>n-Propyl acetate</td>
<td>109-60-4</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Malachite green oxalate</td>
<td>2437-29-8</td>
<td>0.1-1</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**General Advice**
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

**Eye Contact**
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion**
Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

**Protection of First-aiders**
Use personal protective equipment. Remove all sources of ignition.

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects**
No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician**
Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

**Unsuitable Extinguishing Media**
None

**Specific Hazards Arising from the Chemical**
Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may travel to source of ignition and flash back. Ruptured cylinders may rocket.

**Explosion Data**
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: Yes.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool surrounding containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.


8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm (vacated) TWA: 1000 ppm</td>
<td>IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1900 mg/m³ (vacated) TWA: 1900 mg/m³ TWA: 1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>n-Butyl acetate 123-86-4</td>
<td>STEL: 200 ppm TWA: 150 ppm</td>
<td>TWA: 150 ppm (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m³ (vacated) TWA: 710 mg/m³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m³</td>
<td>IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m³ STEL: 200 ppm STEL: 950 mg/m³</td>
</tr>
<tr>
<td>Butane 106-97-9</td>
<td>STEL: 1000 ppm</td>
<td>(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m³</td>
<td>TWA: 800 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>Propane 74-99-6</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³</td>
<td>IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m³</td>
</tr>
<tr>
<td>n-Butyl alcohol 71-36-3</td>
<td>TWA: 20 ppm</td>
<td>TWA: 100 ppm (vacated) TWA: 300 mg/m³ (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m³</td>
<td>IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m³</td>
</tr>
<tr>
<td>Diacetone alcohol 123-42-2</td>
<td>TWA: 50 ppm</td>
<td>TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 50 ppm (vacated) TWA: 240 mg/m³</td>
<td>IDLH: 1800 ppm TWA: 50 ppm TWA: 240 mg/m³</td>
</tr>
</tbody>
</table>
Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures
- Showers
- Eyewash stations
- Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
No special protective equipment required. Avoid contact with eyes. Risk of contact, wear:
Chemical splash goggles.

Skin and Body Protection
Chemical resistant gloves.

Respiratory Protection
None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>76.667-125 °C / 170-257 °F</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>11.667 °C / 53 °F</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1 (BuAc = 1)</td>
<td>BuAc = 1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No data available 19.0</td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No data available 1.40</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt; 1 (air = 1)</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No data available.</td>
<td>None known</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Negligible</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammable Properties</td>
<td>EXTREMELY FLAMMABLE</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>
Oxidizing Properties
No data available

Other information

<table>
<thead>
<tr>
<th>VOC Content (%)</th>
<th>8703A Dk Blue/Steel Blue: 95.59%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8704A Red/Steel Red: 93.89%</td>
</tr>
<tr>
<td>VOC (g/l)</td>
<td>8703A Dk Blue/Steel Blue: 808 g/L</td>
</tr>
<tr>
<td></td>
<td>8704A Red/Steel Red: 797 g/L</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
Heat, flames and sparks. Incompatible products.

Incompatible materials

Hazardous decomposition products
Carbon monoxide (CO). Carbon dioxide (CO₂). Soot.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

<table>
<thead>
<tr>
<th></th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>7060 mg/kg (Rat)</td>
<td>-</td>
<td>124.7 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>10768 mg/kg (Rat)</td>
<td>&gt; 17600 mg/kg (Rabbit)</td>
<td>391 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Butane</td>
<td>-</td>
<td>-</td>
<td>658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Propane</td>
<td>-</td>
<td>-</td>
<td>658 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>790 mg/kg (Rat)</td>
<td>= 3400 mg/kg (Rabbit)</td>
<td>8000 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Diacetone alcohol</td>
<td>4 g/kg (Rat)</td>
<td>= 13500 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>4396 mg/kg (Rat)</td>
<td>12800 mg/kg (Rat)</td>
<td>72.6 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>n-Propyl acetate</td>
<td>9370 mg/kg (Rat)</td>
<td>&gt; 17760 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Malachite green oxalate</td>
<td>275 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization
No information available.

Mutagenic Effects
No information available.

Carcinogenicity
Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage. The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>A3</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
<tr>
<td>Nitrocellulose</td>
<td>Group 2A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ACGIH: (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 3: Not Classifiable as to its Carcinogenicity to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity
May damage fertility or the unborn child

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic Toxicity
Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Target Organ Effects
Respiratory system. Eyes. Skin. Central nervous system (CNS).

Aspiration Hazard
No information available.

Numerical measures of toxicity - Product
The following values are calculated based on chapter 3.1 of the GHS document:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral</td>
<td>5070 mg/kg</td>
<td>Acute toxicity estimate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal</td>
<td>35146 mg/kg</td>
<td>Acute toxicity estimate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>gas</td>
<td>251736</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>dust/mist</td>
<td>63.6 mg/L</td>
<td>Acute toxicity estimate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor</td>
<td>258.3 mg/L</td>
<td>Acute toxicity estimate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>LC50 96 h: 12.0 - 16.0 mL/L static (Oncorhynchus mykiss) LC50 96 h: &gt; 100 mg/L static (Pimephales promelas) LC50 96 h: 13400 - 15100 mg/L flow-through (Pimephales promelas)</td>
<td>EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min</td>
<td>LC50 48 h: 9268 - 14221 mg/L (Daphnia magna) EC50 24 h: = 10800 mg/L (Daphnia magna) EC50 48 h: = 2 mg/L Static (Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>
n-Butyl acetate  
123-86-4  
EC50 72 h: = 674.7 mg/L  
(Desmodesmus subspicatus)  
LC50 96 h: 17 - 19 mg/L  
flow-through (Pimephales promelas)  
LC50 96 h: = 100 mg/L static (Lepomis macrochirus)  
LC50 96 h: = 62 mg/L static (Leuciscus idus)  
EC50 = 70.0 mg/L 5 min  
EC50 = 82.2 mg/L 15 min  
EC50 = 959 mg/L 18 h  
EC50 = 98.9 mg/L 30 min  
EC50 24 h: = 72.8 mg/L  
(Daphnia magna)  

n-Butyl alcohol  
71-36-3  
EC50 96 h: > 500 mg/L  
(Desmodesmus subspicatus)  
EC50 72 h: > 500 mg/L  
(Desmodesmus subspicatus)  
LC50 96 h: = 1730 - 1910 mg/L static (Pimephales promelas)  
LC50 96 h: = 1740 mg/L flow-through (Pimephales promelas)  
LC50 96 h: 100000 - 500000 µg/L static (Lepomis macrochirus)  
LC50 96 h: = 1910000 µg/L static (Pimephales promelas)  
EC50 = 2041.4 mg/L 5 min  
EC50 = 2186 mg/L 30 min  
EC50 = 3980 mg/L 24 h  
EC50 = 4400 mg/L 17 h  
EC50 48 h: = 1983 mg/L  
(Daphnia magna)  
EC50 48 h: = 1897 - 2072 mg/L Static (Daphnia magna)  

Diacetone alcohol  
123-42-2  
LC50 96 h: = 420 mg/L static  
(Lepomis macrochirus)  
LC50 96 h: = 420 mg/L (Lepomis macrochirus)  
EC50 24 h: = 8750 mg/L  
(Daphnia magna)  

Isopropyl alcohol  
67-63-0  
EC50 96 h: > 1000 mg/L  
(Desmodesmus subspicatus)  
EC50 72 h: > 1000 mg/L  
(Desmodesmus subspicatus)  
LC50 96 h: = 11130 mg/L static (Pimephales promelas)  
LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas)  
LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)  
EC50 48 h: = 13299 mg/L  
(Daphnia magna)  

n-Propyl acetate  
109-60-4  
LC50 96 h: 56-64 mg/L  
flow-through (Pimephales promelas)  
LC50 96 h: 56-64 mg/L static (Pimephales promelas)  
EC50 24 h: = 318 mg/L  
(Daphnia magna)  

Persistence and Degradability  
No information available.  

Bioaccumulation  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>-0.32</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>1.81</td>
</tr>
<tr>
<td>Butane</td>
<td>2.89</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>0.785</td>
</tr>
<tr>
<td>Diacetone alcohol</td>
<td>1.03</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>0.05</td>
</tr>
</tbody>
</table>

Other Adverse Effects  
No information available.  

13. DISPOSAL CONSIDERATIONS  

Waste Disposal Methods  
Dispose of in accordance with local regulations.  

Contaminated Packaging  
Do not re-use empty containers.  

US EPA Waste Number  
U031  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA</th>
<th>RCRA - Basis for Listing</th>
<th>RCRA - D Series Wastes</th>
<th>RCRA - U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl alcohol - 71-36-3</td>
<td></td>
<td>Included in waste stream:</td>
<td>F039</td>
<td>U031</td>
</tr>
</tbody>
</table>

This product contains one or more substances that are listed with the State of California as a hazardous waste.  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>Toxic</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>Ignitable</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>Toxic</td>
</tr>
</tbody>
</table>
### 14. TRANSPORT INFORMATION

#### DOT
- **UN-Number**: UN1950
- **Proper shipping name**: Aerosols
- **Hazard Class**: 2.1
- **Description**: UN1950, Aerosols, 2.1
- **Emergency Response Guide Number**: 126

#### TDG
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1
- **Description**: UN1950, Aerosols, 2.1

#### MEX
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1
- **Description**: UN1950, Aerosols, 2.1

#### ICAO
- **UN-Number**: UN1950
- **Proper shipping name**: Aerosols
- **Hazard Class**: 2.1
- **Description**: UN1950, Aerosols, 2.1

#### IATA
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols, flammable
- **Hazard Class**: 2.1
- **ERG Code**: 10L
- **Description**: UN1950, Aerosols, flammable, 2.1

#### IMDG/IMO
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2
- **Subsidiary Class**: See SP63
- **EmS No.**: F-D, S-U
- **Description**: UN1950, Aerosols, 2.1 (See SP63), (11.667°C c.c.)

#### RID
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2
- **Classification Code**: 5F
- **Description**: UN1950, Aerosols, 2.1

#### ADR
- **UN-Number**: UN1950
- **Proper Shipping Name**: Aerosols
15. REGULATORY INFORMATION

International Inventories
TSCA
Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl alcohol</td>
<td>71-36-3</td>
<td>8.23</td>
<td>1.0</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>2.6575</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
- Acute Health Hazard: Yes
- Chronic Health Hazard: Yes
- Fire Hazard: Yes
- Sudden Release of Pressure Hazard: Yes
- Reactive Hazard: No

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl acetate</td>
<td>5000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl acetate</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>Developmental</td>
</tr>
<tr>
<td>Michler’s ketone</td>
<td>90-94-8</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>n-Butyl acetate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Butane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Diacetone alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Nitrocellulose</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>n-Propyl acetate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>4</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

*Indicates a chronic health hazard.

Prepared By

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Date
19-Nov-2014

Revision Note
(M)SDS sections updated: 2, 15, 16.

General Disclaimer

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End of Safety Data Sheet