

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: 4-SURE 518

ISSUE DATE: 02/01/2009

DIVISION AND LOCATION	SECTION 1
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Division: Ambassador IXL Manufacturing Inc.
Location: 1930 WEST 3350 SOUTH, ROY UTAH 84067
Emergency Telephone Number: 800-872-4951

HAZARDOUS INGREDIENTS	SECTION 2
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Complies with OSHA 29 CFR XVII-1910.1200 Section (i) "Trade Secrets". Contains no hazardous components under current OSHA definitions. No reportable ingredients which are on the NTP list, or registered with IARC for carcinogens.

PHYSICAL AND CHEMICAL DATA	SECTION 3
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Physical State: Clear liquid, slight citrus odor
Boiling Point: 250°F, Astm D-86
Pour Point: -60°F (-51°C), ASTM D-97. There is no true freezing point for this product.
Specific Gravity (H₂O=1): 0.768@60°F, ASTM D-4052
Vapor Pressure (mm Hg.): 0.15 psi @ 68°F (20°C) ASTM D-4052
Melting Point: not applicable
Vapor Density (Air=1): 4.5
Evaporation Rate (Butyl Acetate=1): 0.06 (Gravimetric Method)
Viscosity: 1.73 cps., ASTM D-445
Solubility in Water: Negligible
Appearance & Color: Clear, Citrus odor
Dielectric Strength: 42,800 volts

FIRE & EXPLOSION HAZARD DATA	SECTION 4
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Flash Point (Method used) 202°F, COC
Auto Ignition: No data available
Explosion Limits: Lel 18%, Uel Unknown
Extinguishing Media: Carbon dioxide, dry chemicals. Foam
Special Fire Fighting Procedures:
Do not use streams of water. This may cause scattering of burning liquid and thus spread a fire.
Fire Fighting Equipment: Use self-contained breathing apparatus (SCBA) gear in any enclosed area.
Unusual Fire and Explosion Hazards:
May produce dense black smoke. Stay upwind of a fire.
Combustion Products: As with any organic, combustion will produce carbon dioxide and/or carbon monoxide.

REACTIVITY DATA	SECTION 5
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Stability: Stable
Conditions to Avoid: Keep away from ignition sources, sparks, or flames.
Incompatibility (Materials to Avoid):

Avoid strong oxidizing agents

Hazardous Polymerization: Will not occur

Hazardous Decomposition or By products: As with any organic, combustion will produce carbon dioxide and/or carbon monoxide.

HEALTH HAZARD DATA	SECTION 6
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Emergency overview: Acute and prolonged exposure may cause dermatitis in a sensitive individual

Route(s) of entry:

- Inhalation: Not a primary route
- Skin: Yes
- Eye: Yes, avoid contact as product will cause irritation
- Ingestion: Not a primary route

Health Hazards (Acute and Chronic):

- Eye: Contact will cause irritation, Chronic irritation, rinse thoroughly with running water
- Skin: Ordinary contact with normal individuals not considered hazardous. Prolonged contact may cause irritation. Chronic repeated or prolonged contact may cause drying and defatting of the skin.
- Ingestion: Acute and Chronic: May cause a laxative effect. Severe irritation to gastrointestinal tract may cause nausea, vomiting and diarrhea.
- Vapor Inhalation: May cause throat & nose irritation, headache, dizziness & nausea. Chronic: If aspirated into lungs, it may cause serious lung damage. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.

Carcinogenicity	NTP	IARC	OSHA	ACGIH
	None	none	none	none

Signs & Symptoms of Exposure: Localized reddening at contact point

Medical Conditions Generally Aggravated by Exposure: May aggravate dermatitis in sensitive individuals

Emergency and First Aid Procedure:

- Eye: Remove any contact lenses, then flush with water, lifting eyelids to better circulate the water. Do this for about 15 minutes. If irritation persists, call a physician.
- Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, contact a physician.
- Ingestion: In case of ingestion do not induce vomiting. Call a doctor immediately. May be harmful or fatal if aspirated into the lungs.
- Inhalation: If the liquid is inhaled into the lungs, get immediate medical help. Remove to area of fresh air. If not breathing, give mouth to mouth or other artificial respiration. If breathing is difficult give oxygen. In all cases, seek immediate medical attention.

HANDLING AND STORAGE	SECTION 7
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Steps to be taken if material is spilled: Product in its purchased form, is not of significant or immediate concern, presenting little or no hazard is spilled.

Procedures of clean-up:

- Small Spills: Absorb with dry sand or oil absorbent material. Scrape and recover all wastes in a suitable waste container.

- Large Spills: Dike with suitable materials and recover reusable product. Then handle as above.
- Environmental Precautions: As with all degreasers, keep from public waterways as concentrated surfactant quantities kill fish.
- Handling & Storing Precautions: Keep in a tightly closed container away from sparks and other ignition sources.

CONTROL MEASURES	SECTION 8
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- Engineering Controls: Provide adequate general ventilation, otherwise no special controls.
- Respiratory Protection: No special requirements generally needed, but for sensitive individuals provide a negative pressure breathing apparatus approved by NIOSH/MSHA.
- Engineering: Administrative controls should be implemented to reduce exposure.
- Ventilation: Provide sufficient mechanical, general and/or local exhaust ventilation to maintain minimum exposure.
- Protective Gloves: A product is natural skin defatting agent, use Nitrile or Neoprene gloves when using for repeatedly or prolonged use or periods of time.
- Eye Protection: Chemical splash goggles in compliance with OSHA regulations advised.
- Ingestion: Do not ingest.
- Exposure Limit Guideline: No established exposure limits on product as a whole.
- Other Protective Clothing/Equipment: None established

TOXICITY INFORMATION	SECTION 9
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- Acute Data: Based on testing of product as a whole
- Oral LD50: >17,750 mg/kg (16ml/kg)
- Skin LD50: No data available
- Inhalation: See Section 6 and 7 above. Can be toxic if aspirated into lungs.
- Primary Skin Irritation: Index 0.2 (low)
- Muscle Tissue: No deleterious effects know

ECOLOGICAL INFORMATION	SECTION 10
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- Based on product as a whole
- Acute Fish & Shrimp Toxicity: Fundulus heteroclitus LC50, 4 days at 2,000 PPM

TRANSPORTATION	SECTION 11
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- DOT Labeling: The combustible liquid n.o.s. label is exempt in containers under 110 gallons. Per Reg. 49 CFR 173.118A
- Proper Shipping Name: Combustible liquid n.o.s.
- Hazard Class: Combustible

REGULATORY INFORMATION	SECTION 12
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- OSHA Compliance: MSDS prepared in accordance with 29CFR 1910.1200 to comply with the OSHA Hazard Communication Standard

RCRA Characteristics: Waste Classification: Product as a whole has been evaluated for RCRA characteristics and meets criteria of hazardous waste if discarded in purchased form. Hazard Class: Ignitable. Waste numbered D001. Reportable quantity, if any, not established.

SARA Title III Superfund: Product as a whole is not regulated under the SARA hazard categories per the EPA Hazard Categories under Sections 311 and 312 of the Superfund Amendment and the Reauthorization Act of 1986 (SARA Title III).

TSCA Components of this product are listed under the Toxic Substances Control Act (TSCA), but this blended product as a whole requires no import or export declarations.

CERCLA, State and Local Planning (Reportable Quantities):

Reportable quantity, if any, not established

State Right To Know Compliance:

California Not regulated

Massachusetts Not regulated

New Jersey No hazardous components

Pennsylvania No hazardous components

NFPA RATINGS: Health: 1, Flammability: 2, Reactivity: 0

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