

Material Safety Data Sheet

SAFETYBLUE Liquid

Section 1 Product and Company Identification

Product Name: SAFETYBLUE
Product Use: General surface cleaning of oil, tar, mastic, gum, wax and adhesive residues
PIN Number: Not required
Emergency Phone: 800-279-8822 (7 am – 4 pm, Mon-Fri MST)
For Information: 800-279-8822 (7 am – 4 pm, Mon-Fri MST)
Prepared by: J.A. Gurney, Ph.D.
Preparation Date: 19 August 1991

Section 2 Composition Information on Ingredients

Hazardous Components: No hazardous ingredients as per OSHA 1910.1200

Section 3 Health and Physical Data

Emergency Overview: Acute and prolonged exposure may cause dermatitis in a sensitive individual.

Primary Routes of Entry: Skin and mouth

Physical Hazard: Combustible mixture

Health Hazard: No acute or chronic hazards known

Acute Hazards:

- Eye: Contact nonirritating
- Skin: Low primary skin irritation
- Ingestion: If swallowed, may cause a laxative effect. Not considered hazardous
- Inhalation: No toxic manifestations

Chronic Exposure:

- Skin: Repeated or prolonged exposure may cause dermatitis in a sensitive individual

Carcinogenicity Listings: NTP-None, IARC-None, OSHA-None, ACGIH-None

Irritancy of Product: Low primary skin irritancy. No eye or inhalation effects

Signs & Symptoms of Overexposure: None known in normal individuals

Medical Conditions Aggravated by Exposure: A preexisting dermatitis may become aggravated in a sensitive individual

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Section 4 First Aid Procedures

- Eye: Remove any contact lens, then immediately flush with water for at least 15 minutes. If irritation persists, contact a physician.
- Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, contact a physician.
- Ingestion: If swallowed, do not induce vomiting. May be harmful or fatal if liquid is aspirated into the lungs.
- Inhalation: If aspirated into the lungs, get immediate medical help.

Section 5 Fire and Explosion Hazard

- Flammability: Combustible liquid. OSHA Class IIA. WHMIS Class B3.
- Means of Extinction: Water fog, carbon dioxide, dry chemical, foam
- Flash Point and Method: 162°F (72°C), PMCC ASTM D-93
- Flammability Limits in Air: UEL 18%, LEL Not known, ASTM E-681
- Auto-Ignition Temperature: 675°F, ASTM E-659
- Combustion Products: As with any organic material, combustion will produce carbon dioxide and/or carbon monoxide.
- Explosion Data: A. Sensitivity to impact: none B. Sensitivity to static charge: none
- Special Firefighting Precautions: Do not use streams of water. This may cause spattering and the spread of fire.
- Unusual Fire and Explosion Hazard: May produce dense, black smoke. Stay upwind of a fire.
- Firefighting Equipment: Use self-contained breathing apparatus (SCBA) gear in any enclosed space.

Section 6 Accidental Release Measures

- Procedures for Clean-Up:
- For small spills: Absorb with a suitable material. Dispose in an appropriate waste container.
 - For large spills: Dike with soil, sand or other suitable materials avoiding the use of sawdust.
- Personal Precautions: Review Section 5 and 8 for precautions and recommendations. Remove all sources of ignition before proceeding.
- Environmental Precautions: Prevent liquid from entering public waterways.

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Section 7 Handling and Storage

Safe Handling and Hygienic Practices: Reduce personal contact avoiding prolonged skin contact with contaminated clothing. Wash after using.

Storage Requirements: Keep in a tightly closed container away from open flame or other ignition source. Adequate ventilation according to good engineering practices. Keep away from children.

Section 8 Exposure Controls

Engineering controls: Adequate general ventilation. No special requirements under normal conditions.

Personal Protection:

Ventilation: Not required under normal conditions.

Respiratory: No special requirements. Avoid breathing mists.

Eye Protection: None required

Gloves: Nitrile or Kevlar gloves recommended for a sensitive individual.

Ingestion: Do not ingest

Exposure Limit Guidelines: No established exposure guidelines

Section 9 Physical and Chemical Properties

Appearance and Odor: A clear orange color. Citrus odor.

Odor Threshold: Unknown

Physical State: Liquid

Viscosity: 1.7 cps. ASTM D-445

Vapor Pressure: <0.2 mm of Hg @ 20°C, <0.002 psi @ 68°F (Estimated)
Based on Thermogravimetric Analysis (TGA) Method.
Developed by vender.

Volatile Percent: 100%

Specific Gravity: 0.797, 6.65 lbs./US Gallon, ASTM D-4052

Vapor Density: (Air = 1), 4.5

Evaporation Rate: (Butyl Acetate = 1), 0.06, ASTM D-3539

Boiling Point: Initial – 186°C (367°F), ASTM D-1120

Freezing Point: This mixture of hydrocarbons has no true freezing point

Pour Point: -51°C (-60°F), ASTM D-1093-81

pH of Concentrate: Test not applicable

Coefficient of Water/Oil Distribution: <0.1

Solubility in Water: <15 ppm. EPA modified Method 8015

Kauri Butanol Number: 27 ASTM D-1133

Dielectric Constant: 50,000 volts. ASTM D-877

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Section 10 Stability and Reactivity

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| Stability: | Stable |
| Conditions to Avoid: | Avoid the generation of mist and aspiration into the lungs |
| Incompatibility: | Avoid contact with strong oxidizing agents |
| Hazardous Decomposition: | Not expected under normal conditions |
| Hazardous Polymerization: | Does not occur |

Section 11 Toxicity Information

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| LD50 of the Product: | Acute oral (Rat). >12,700 mg/Kg (16 ml/Kg) |
| Teratogenicity and Embryotoxicity: | Unknown |
| Mutagenicity: | Unknown |
| Reproductive Toxicity: | Unknown |
| Synergistic Materials: | Unknown |
| Inhalation: | No toxic manifestations |
| Draize Eye Irritation: | Score 0.00 (none) |
| Primary Skin Irritation: | Irritation index, 0.2 (low) |
| Muscle Tissue: | No deleterious effects |
| Sensitizing Capability of the Product: | Not expected in normal individuals |

ALL TEST DATA AVAILABLE ON REQUEST

Section 12 Environmental Tests

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| Aqueous Testing: | Fundulus heteroclitus (Silverside fish): LC ₅₀ , 4 days, 2000 ppm (low) |
| Saprophytic Bacteria (Cold Temperature Strain): | No minimum inhibiting product concentration. Product degraded extensively after 21 days. (Based on an analogous formulation). |

Section 13 Disposal Considerations

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| RCRA Classification: | This product has been evaluated for RCRA characteristics and does not meet the criteria for a hazardous waste, if discarded in its purchased form. |
| Volatile Organic Compound (VOC) Content: | Under the C ₁₂ Exemption, 31 Wt.%; Under Method 24, 794 g/Liter. (Values estimated). Contact local authority for appropriate compliance. |
| Special Instructions: | The product is biodegradable based on activated sludge testing. Landfill or incinerate at authorized facilities. |

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Section 14 Transportation Information

DOT Labeling: Not required
Proper Shipping Name: —
Hazard Class: —
Identification Number: —

Section 15 Regulatory Information

OSHA and WHMIS Compliance: This MSDS prepared according to the 29 CFR 1910.1200 and ANSI Z400.1 Standards. These criteria meet the WHMIS Format Standard.

TSCA: Although components of this product find listing under the Toxic Substances Act (TSCA), this blended product requires no import or export declarations.

CERCLA, State and Local Planning (Reportable Quantities): Not required

SARA Title III Superfund: The product in its purchased form is not regulated under the SARA "Hazard Categories" under Sections 311 and 312 of the Superfund Amendment and the Reauthorization Act of 1986 (SARA Title III).

States Right-to-Know: Not required

Section 16 Other Information

Hazard Rating: Based on the NFPA 704 Standard. Health = 0, Flammability = 2, Reactivity = 0, Rating Scale: None = 0, Slight = 1, Moderate = 2, Severe = 3, Extreme = 4

Revision Date: 1 October 1998

The information expressed herein are those of the experts for Orange-Sol Industrial Products, Inc. We believe that the information contained herein is accurate and current as of the date of this Material Safety Data Sheet. Since the application in use of the information contained herein, and the conditions of use of the product are not under the control of Orange-Sol Industrial Products, Inc., the user must evaluate and determine whether the conditions for use and the application of the product, including proper disposal thereof, are appropriate, safe and legal.