

MATERIAL SAFETY DATA SHEET

#HIL0103454

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND DISTRIBUTOR'S INFORMATION

| | |
|---|--|
| NFPA Rating: Health-2; Flammability-2; Reactivity-0; Special-0 Distributed by: HILLYARD INDUSTRIES, INC. Address: P. O. BOX 909 Address: St. Joseph, MO 64502 Phone: (816) 233-1321 ext. 2303 or http://www.hillyard.com | HMIS Rating: Health-2; Flammability-2; Reactivity-0; Personal Protection-B DOT Hazard Classification: ORM-D Identity (trade name as used on label): OIL STAINLESS STEEL CLEANER # 235174000 MSDS Number: 141 Date Prepared: 03/29/96 Information Calls: (770) 422-2071 |
| EMERGENCY RESPONSE NUMBER: Chemtrec 1-800-424-9300 NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA | |
| Revision- 12 Prepared By: LF | |

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater) | CAS Number | SARA III LIST | OSHA PEL (ppm) | ACGIH TLV (ppm) | Carcinogen Ref. Source** |
|---|------------|---------------|----------------|-----------------|--------------------------|
| PETROLEUM DISTILLATE | 64742-54-7 | Yes | 5mg/W3 | 5mg/W3 | d |
| PETROLEUM DISTILLATE | 64742-88-7 | No | 100 | 100 | d |
| ISOBUTANE / PROPANE BLEND | 75-28-5 | No | 800 | 800 | d |
| | 74-98-6 | No | 1000 | 1000 | d |

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---|---|
| Bolting Point: N/A | Specific Gravity (H2O=1): Concentrate Only = .856 |
| Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60 | Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A |
| Vapor Density (Air = 1): N/E | Evaporation Rate (= 1): N/E |
| Solubility in Water: Insoluble | Water Reactive: No |
| Appearance and Odor: Clear liquid, lemon fragrance. | |

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

| | | |
|---|--|---|
| FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) FLAMMABLE >18 inches | Auto Ignition Temperature: N/E | Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E |
| FLASH POINT AND METHOD USED (non-aerosols): N/A | EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide. | |
| SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. | Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture. | |

SECTION 4 - REACTIVITY HAZARD DATA

| | |
|---|--|
| STABILITY: <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | HAZARDOUS POLYMERIZATION: <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR |
| Incompatibility (Mat. to avoid): Strong oxidizers. | Conditions to Avoid: Open flame, welding arcs, heat, sparks. |
| Hazardous Decomposition Products: CO, CO2. | |

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION INGESTION SKIN ABSORPTION EYE NOT HAZARDOUS

ACUTE EFFECTS:
 Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.
 Eye Contact: Mild irritation.
 Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.
 Skin Contact: Mild irritation.

CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormality, liver abnormalities, lung and kidney damage.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.

Skin Contact: Wash with soap and water. If irritated, seek medical attention.

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.

Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.

Protective Gloves: Polyethylene gloves

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing & Equipment: None

Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. DO NOT FLUSH TO SEWER.

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

THIS MSDS IS CURRENT AS OF JANUARY 10, 2000. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.