H10 3854

MATERIAL SAFETY DATA SHEET

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-1; Reactivity-1; Special-0	**HMIS Rating:** Health-2; Flammability-1; Reactivity-1; Personal Protection-B
Manufactured For: Hillyard Industries, Inc. Address: 302 N. 4th Street Address: St. Joseph, MO 64501	**DOT Hazard Classification:** ORM-D **Identity** (trade name as used on label): **OVEN & GRILL CLEANER / Part# HIL0103854**
Phone: **(816)-233-1321 ext. 8285** or http://www.hillyard.com	**MSDS Number:** A00110 Revision - 9
Emergency Response Number: Chemtrec 1-800-424-9300 **NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA**	Date Prepared: 03/01/93 Prepared By: ES Information Calls: (770)422-2071

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 **
ISOBUTANE	75-28-5	No	800	800	d
SODIUM HYDROXIDE	1310-73-2	No	2mg/M3	2mg/M3	d
POTASSIUM HYDROXIDE	1310-58-3	No	2mg/M3	2mg/M3	d
HEXYLENE GLYCOL	107-41-5	No	N/E	25	e

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A	**Specific Gravity** (H_2O=1): Concentrate Only = 1.060
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: Soluble	**Water Reactive:** No
Appearance and Odor: Tan foamy gel with lemon fragrance.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) **NON-FLAMMABLE**	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 **SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.	**EXTINGUISHER MEDIA:** Foam, dry chemical, carbon dioxide, water.	
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.		

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [ ] UNSTABLE	**HAZARDOUS POLYMERIZATION** [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong acids and oxidizers.	**Conditions to Avoid:** Open flame, welding arcs, heat.
Hazardous Decomposition Products: CO, CO_2.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [ ] INGESTION [X] 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: CAUSTIC: May cause burns.	**Skin Contact:** CAUSTIC: May cause burns.

Ingestion: Possible chemical pneumonitis if aspirated into lungs. CAUSTIC: May cause burns.

CHRONIC EFFECTS: Lab animals have experienced anemia, liver, kidney, lung, blood damage to Hexylene Glycol. (Effects due to excessive exposure to the raw materials of this mixture) May cause burns, dermatitis, respiratory illness, nystagmus and central nervous disorders.

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 or milk. Get immediate medical attention.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH in positive pressure mode.

Protective Gloves: Rubber gloves.	**Eye Protection:** Safety glasses recommended.

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. Dilute with water, absorb with cloth or neutralize with dilute acid and 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. Do not use on aluminum. Avoid breathing vapors.

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 May 08, 2003. 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.