

## Safety Wash Cleaner Degreaser



### 4050

A special blend of ethyl alcohol, isopropanol and ethyl acetate. Strong enough to clean, grease, oil, smoke, ink, organic and inorganic soils. An excellent choice when a cleaner slightly more aggressive than IPA is needed. Extra effective with the use of M.G. Cat.#'s [852](#) and [853](#) Hog Hair cleaning brushes.

#### Available Sizes

Catalog Number	Sizes Available	Description
4050-1L	1L (33 oz)	Liquid
4050-4L	4L (1 gal)	Liquid
4050-20L	20L (5 gal)	Liquid



# Material Safety Data Sheet

## Section 1: Product Identification

**MSDS Code: 4050 - liquid**      **Name: Safety Wash Cleaner Degreaser**

**Related Part Numbers: 4050-1L; 4050-4L; 4050-20L**

Use: Cleaner and degreaser for electronics.

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
64-17-5	ethanol	80 - 90	1000ppm	1000ppm	1000ppm
141-78-6	ethyl acetate	1 - 5	400ppm	400ppm	n/e
67-63-0	2-propanol	2 - 10	400ppm	400ppm	500ppm

## Section 3: Hazards Identification

**WHMIS Codes:** B2, D2B

**NFPA Ratings:** Health 1 Flammability 3 Reactivity 0

**HMIS Ratings:** Health 1 Flammability 3 Reactivity 0

**Eyes:** May cause eye irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

**Skin:** May cause skin irritation.

**Inhalation:** May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath, and pulmonary edema.

**Ingestion:** Poison! Harmful if swallowed. May cause adverse central nervous system effects.

**Chronic:** Long term intensive exposure may cause liver or kidney damage.

## Section 4: First Aid Measure

**Eyes:** Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid.

**Skin:** Wash skin with large quantities of soap and water. Get medical aid if symptoms persist.

**Inhalation:** Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Ingestion:** Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

### Section 5: Fire Fighting Measures

**Autoignition Temperature:** 427°C      **Flash Point:** 16°C      **LEL / UEL:** 3/19  
**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.  
**General Information:** Will burn if involved in a fire.

### Section 6: Accidental Release Measures

**Spill Procedure:** Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.  
**Storage:** Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances.

### Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.  
**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.  
**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	liquid	<b>Odor:</b>	ethereal	<b>Solubility:</b>	miscible	<b>Evaporation Rate:</b>	1.8 (ether=1)		
<b>Boiling Point:</b>	79°C	<b>Specific Gravity:</b>	0.79	<b>Vapor Pressure:</b>	1 PSI @20°C	<b>Vapor Density:</b>	0.811 (Air=1)	<b>pH:</b>	N/a

### Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.  
**Conditions to avoid:** Temperatures over 40°C, ignition sources, and incompatible materials. Exposure to moist air or water.  
**Incompatibilities:** Alkali and alkaline earth metals, powdered aluminum, zinc, magnesium, and beryllium, acids, acid anhydrides, oxidizing agents, reducing agents.  
**Polymerization:** Will not occur.  
**Decomposition:** Halogens, halogen acids, possibly carbonyl halides, carbon dioxide, and carbon monoxide.

### Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) Repeated skin contact may cause defatting of the skin resulting in dermatitis. Long term intensive inhalation may cause benign lung fibrosis.  
**Carcinogenicity:** (risk of cancer) No  
**Teratogenicity:** (risk of malformation in an unborn fetus) No



**Reproductive Toxicity:** (risk of sterility) No

**Mutagenicity:** (risk of heritable genetic effects) No

**Lethal Exposure Concentrations:**      **Ingestion(LD50):** 7 g/kg (rat)      **Inhalation (LC50):** 320,000 /4h      **Skin (LD50):** 20 g/kg (rabbit)

## Section 12: Ecological Information

**General Information:** Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)

**CFC:** 0      **HFC:** 0      **Cl.Solv.:** 0      **VOC:** 100      **HCFC:** 0      **ODP:** 0

## Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

## Section 14: Transportation Information

**Ground:**(all sizes 1 liter or less)

Consumer Commodity, ORM-D

**Ground: - Large Sizes:** (all sizes 1 liter or more)

Shipping Name-Alcohols N.O.S. [Ethanol] Flash Point 13°C, Class 3, UN# 1987, Packing Group II, Subsidiary Risk-nil, Use only MG Chemicals UN certified outer cartons. Tape all seams on carton. Hazard Label required- Flammable Liquid. A double arrow orientation label is required and is already printed on the original outer carton. Shipper must be trained and certified to handle documented dangerous goods. Refer to CFR 49, TDG regulations (Canada).

**Air - All Sizes**

Shipper must be trained and certified. Refer to IATA regulations.

**Sea - All Sizes:**

Class 3, UN# 1987, Packing Group II. Shipper must be trained and certified. Refer to IMDG regulations.

## Section 15: Regulatory Information

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depletors.

This product does not contain any class 2 ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals know to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)