

MSDS 4640-4

4640-4: Glass Cleaner 1 Gallon

4740: Glass Cleaner 16 Oz Trigger

MSDS Last updated: 04/15/2005

MATERIAL SAFETY DATA SHEET
GLASS CLEANER

Flammability 0
Instability 0
Health 2
Special -

Printed: 02/18/2005
Revision: 02/18/2005
Supercedes Revision: 06/21/2000
Date Created: 11/29/1999

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 4640-4 & 4740
Product Name: GLASS CLEANER
Reference #: 188A
Manufacturer Information
 Company Name: Imperial Supplies LLC
 789 Packer Drive
 P.O. Box 11008
 Green Bay, WI 54307-1008
Emergency Contact; Chem Tel (800) 255-3924
Information: (800) 558-2808
Chemical Family: Aqueous Cleaning Compound

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritating to skin upon prolonged exposure. Irritating to eyes.
Routes of Entry: Inhalation? No Skin? Yes Eyes? Yes Ingestion? Yes
Health Hazards (Acute and Chronic)

ACUTE

SKIN: Constant exposure to skin may cause drying or defatting of skin.

EYES: Irritating to eyes.

INGESTION; If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Signs and Symptoms of Exposure

EYES: May cause minimal irritation, experienced as temporary discomfort.

INGESTION; Irritation of the gastrointestinal tract and possible vomiting and diarrhea.

INHALATION; No adverse effects should occur with normal use and local ventilation.

SKIN; May be irritating to skin upon prolonged or repeated contact.

OSHA Hazard Classes;

HEALTH HAZARDS; Irritant

PHYSICAL HAZARDS; No Physical Hazards

TARGET ORGANS & EFFECTS; Eyes, Skin, Respiratory System

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	Percentage	RTECS #
----- - (Chemical Name)	67-63-0	1.0 - 5.0 %	NT8050000

4. FIRST AID MEASURES

Emergency and First Aid Procedures

EYES: Flush eyes with water for at least 15 minutes. Call a physician.

INGESTION; Do not induce vomiting, call a physician immediately.

SKIN: Wash skin thoroughly with soap and water.

5. FIRE FIGHTING MEASURES

Flash Pt: 200.00 F (93.3 C) Method Used: TCC
Explosive Limits: LEL: No data. UEL: No data.
Autoignition Pt: No data.

Special Fire Fighting Procedures

Wear full protective clothing and positive pressure breathing apparatus.

Unusual Fire and Explosion Hazards

None

Suitable Extinguishing Media

Dry Chemicals. CO2 or Alcohol Resistant Foam.

Unsuitable Extinguishing Media

No data available.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Keep out of sewers and drains. Avoid contact with skin, eyes, and clothing.

7. HANDLING AND STORAGE

Hazard Label Information:
Irritating to eyes.

Precautions To Be Taken In Handling
Keep out of reach of children. Wash hands thoroughly after handling the material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits

-				
1. Isopropyl alcohol	67-63-0	No data	No data	500 PPM

Protective Equipment Summary - Hazard Label Information:
Latex gloves Safety glasses

Respiratory Equipment (Specify Type)
None should be needed under normal use. If exposure limits are exceeded, use a NIOSH/MSHA approved respirator.

Eye Protection
Safety glasses

Protective Gloves
Latex gloves

Other Protective Clothing
Boots, apron, or coveralls as necessary to prevent skin contact.
Ventilation Good general ventilation should be sufficient to control airborne levels.

Work/Hygienic/Maintenance Practices
Do not smoke while using. Wash hands after use. Launder clothes before reuse. Use good personal hygiene at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States; [] Gas [X] Liquid [] Solid
Melting Point; 32.00 F (0.0 C)
Boiling Point; 212.00 F (100.0 C)
Autoignition Pt: No data.
Flash Pt: 200.00 F (93.3C) Method: TCC
Explosive Limits; LEL: No data. UEL: No data.
Specific Gravity (Water =1): .97 - .99 at 20.0 C (68.0 F)
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Evaporation Rate (vs Butyl Acetate=1): No data.
Solubility in Water: complete at 20.0 C (68.0 F)
Percent Volatile: 95.0 % by weight.
VOC / Volume; 4.0000 WT %
Viscosity; as water at 20.0 C (68.0 F)
Corrosion Rate: No data.
pH: 7.5
Appearance and Odor
Water clear liquid with characteristic alcohol odor.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability
None known.
Incompatibility - Materials To Avoid
None known.
Hazardous Decomposition Or Byproducts
None known.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions
None known.

11. TOXICOLOGICAL INFORMATION

Toxicological Information
No data available.
Carcinogenicity/ Other Information
No data available.
Carcinogenicity: NTP ? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

Ecological Information
No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
All notification, clean up and disposal should be carried out in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT)
DOT Proper Shipping Name
Not regulated

15. REGULATORY INFORMATION

US EPA SARA Title III
Hazardous Components CAS # Sec. 302 (EHS) Sec. 304 RQ Sec. 313 (TRI) Sec. 110

1. Isopropyl alcohol 67-63-0 No No Yes No
US EPA CAA, CWA, TSCA
Hazardous Components CAS # EPA CAA EPA CWA NPDES EPA TSCA CA PROP 65

-
1. Isopropyl alcohol 67-63-0 No No No No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec. 302: EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ.

* indicates 10000 LB TPQ if not volatile.

Sec. 304: EPA SARA Title III Section 304: CERCLA Reportable + Sec. 302 with Reportable Quantity.

** indicates statutory RQ.

Sec. 313: EPA SARA title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

Sec. 110: EPA SARA 110 Superfund Site Priority Contaminant List.

TSCA (Toxic Substances Control Act) Lists:

5A(2): Chemical Subject to Significant New Rules (SNURS)

6A: Commercial Chemical Control Rules

8A: Toxic Substances Subject To Information Rules On Production

8A CAIR: Comprehensive Assessment Information Rules - (CAIR)

8A PAIR Preliminary Assessment Information Rules - (PAIR)

8C: Records of Allegations of Significant Adverse Reactions

8D: Health and Safety Data Reporting Rules

8D TERM: Health and Safety Data Reporting Rule Terminations

Other Important Lists:

CWA NPDES: EPA clean Water Act NPDES Permit Chemical

CAA HAP: EPA Clean Air Act Hazardous Air Pollutant

CAA ODC: EPA Clean Air Act Ozone Depleting Chemical (1=CFC,2=HCFC)

CA PROP 65: California Proposition 65

Regulatory Information

New Jersey Right-To-Know: Water 7732-18-5: Isopropyl Alcohol, 67-63-0

Glycol Ether DB, 112-34-5

Prop 65: No chemicals which currently appear on California's Proposition 65 Carcinogen or reproductive hazard lists are known to be present in this product.

EPA Hazard Categories;

This material meets the EPA 'Hazard Categories' defined for SARA

Title III

Sections 311/312 as indicated:

Yes No Acute (immediate) Health Hazard

Yes No Chronic (delayed) Health Hazard

Yes No Fire Hazard

Yes No Reactive Hazard

Yes No Sudden Release of Pressure Hazard

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