



Section 1 – Product & Company Identification

Product Name: **Concentrated Glass & Surface Cleaner**

Product ID Number: #451

Product Use: Glass & Hard Surface Cleaner

EPA Reg. Number: N/A

Manufactured By: Arrow Chemical Products, Inc.

2067 St. Anne

Detroit, MI 48216

Telephone: 313-237-0277

Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053

Section 2 – Composition/Information on Ingredients

INGREDIENT	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Alcohol Ethoxylate	68439-46-3	0% - 10%	Not Established	Not Established
Isopropanol	67-63-0	10 - 20%	PEL/TLV: 980 mg/m ³ STEL: 1225 mg/m ³	Not Established
Monoethanolamine	141-43-5	0% - 10%	Not Established	See Section 14
Alkyl Polyglycoside	132778-08-6	0% -10%	Not Established	Not Established

Section 3 – Hazards Identification

Emergency Overview:

Potential Health Effects:

Acute: Causes eye and may cause skin irritation.

Chronic: None known based on OSHA Criteria.

Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4 – First Aid Measures

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin/Clothing: Wash with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Drink a large quantity of water. Get immediate medical attention.

Note to Physician: N/A

Section 5 – Fire Fighting Measures

Hazardous Combustion Products: Carbon monoxide and other toxic vapors.

Extinguishing Media: Dry chemical, CO₂, Water Spray.

Fire Fighting Equipment & Instructions: None

Remarks on Explosion Hazard: None

Section 6 – Accidental Release Measures

Spill and Leak Procedures

Spills: Absorb spilled material and sweep up.

Personal Protection for Large Spills: Rubber gloves or other impervious gloves. Chemical anti-splash safety goggles.

Section 7 – Handling & Storage

Handling Procedures: Keep container closed when not in use. For industrial and commercial use only.

Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Store in a cool dry place.

Incompatibility: Strong oxidizing agents. Store away from heat, open flames and sparks.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Good general ventilation should be sufficient.

Personal Protective Equipment:

Eyes/Face: Chemical anti-splash safety goggles.

Skin: Rubber gloves or PVC gloves recommended for repeated or prolonged use.

Respiratory: No special equipment needed. Use with adequate ventilation

The following ingredients have established exposure guidelines:

INGREDIENT:	EXPOSURE GUIDELINE	GUIDELINE VALUE
Isopropanol	See Section 2	

See Section 2

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9 – Physical & Chemical Properties

Flash Point: N/A

Specific Gravity: 0.99

Melting/Freezing Point: N/A

VOC Content: No Data

Evaporation Rate (Water = 1): 1

pH: 7.0 – 8.0

Solubility: Complete

Flammable Limits: N/A

Explosion Hazards: None

Appearance and Odor: Blue Liquid, Alcohol Odor

Section 10: Stability & Reactivity

Chemical Stability: Stable Conditions to avoid: Excessive heat and contamination of any kind

Incompatibilities: Strong oxidizing agents.

Hazardous Decomposition: None known.

Section 11 – Toxicological Information

Routes of Entry: Eyes, Skin, Ingestion, Inhalation
 Carcinogenicity: No Carcinogenicity data available for this product.
 Toxicity to Animals: INGREDIENT: 141-43-5 MONOETHANOLAMINE
 Acute Oral LD50: 700 mg/kg [mouse].
 Acute Dermal LD50: 1000 mg/kg [rabbit].
 Acute Effects on Humans: Causes skin and eye irritation.
 Chronic Effects: There is no known effect from chronic exposure to this product.
 Special Remarks on Toxicity: None.

CHEMICAL INGREDIENTS LISTED AS POTENTIAL OR KNOWN CARCINOGENS

INGREDIENT	OSHA	NTP	IARC
No ingredients listed in this section.			

Section 12 – Ecological Information

Ecotoxicity: No data specific data available for this product. Raw materials are readily biodegradable.
 Environmental Fate: No Data.

Section 13 – Disposal Considerations

Disposal Instructions: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 – Transportation Information

DOT Hazard Class: N/A
 DOT Proper Shipping Name: Liquid Cleaning Compound, NOI
 TDG Classification: Not controlled under TDG (Canada).

Section 15 – Regulatory Information

TSCA Status
 All ingredients are listed on the TSCA Chemical Inventory.
 DSL/NDSL: All components listed unless noted elsewhere on this MSDS.

CERCLA/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: Classification of this product:

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME	CAS NO.	MAXIMUM CONCENTRATION	COMMENT
Isopropanol	67-63-0		

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

CHEMICAL NAME	REPORTABLE QUANTITY (RQ)	THRESHOLD PLANNING QUANTITY (TPQ)
No ingredients listed.		

No ingredients listed.

State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various states right to know lists and/or California's Proposition 65 List

CHEMICAL NAME	STATE LIST
Monoethanolamine 141-43-5, IPA 67-63-0	IL – Illinois Toxic Air Contaminant – Carcinogenic CT – Connecticut Hazardous Air Pollutants MA – Massachusetts Right to Know List MN – Minnesota Hazardous Substance List NJ – New Jersey Right to Know List PA – Pennsylvania Right to Know List RI – Rhode Island Hazardous Substance List

WHMIS Classification: Not controlled under WHMIS (Canada).

Section 16 – Other Information

Hazard Ratings

Hazard Rating Scale:

Hazard Rating Scale:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

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