



SAFETY DATA SHEET (SDS)

Section 1: Identification

Product Name	iluma Glass & Mirror Cleaner	Company
Product number	1493, 1494	The Libman Company
Brand	Libman	1 Libman Way
Chemical Name	Surfactant Blend	Arcola, IL 61910
Recommended Usage	Cleaning Agent	Phone: 1-877-818-3380
Pod Size	3 grams	www.libmanliquids.com
Emergency Response Number:		1-800-535-5053
International Emergency Response Number:		1-352-323-3500
--- IN EMERGENCY CALL 911 ---		

Section 2: Hazard(s) Identification

The hazard classification and label elements in this Safety Data Sheet reflect the intrinsic properties of the CONCENTRATE in its sealed water-soluble pod. The hazard and precautionary statements ONLY apply to spills and handling exposure to the concentrate itself outside of the sachet and in large quantities.

The pod when intact provides a barrier to dermal and inhalation exposure under conditions of normal handling and use. The product when used as recommended and diluted according to the manufacturers specifications is not classified as hazardous and does NOT require any Personal Protective Equipment (PPE).

Hazard Classification here

Hazard Classification of substance/mixture:	Hazard Statements:	Signal Word(s):
Eye Damage/Irritation - Category 1 Acute Toxicity-Oral-Category 4 Reproductive Toxicity - Category 2	Harmful if swallowed. Causes serious eye damage. Suspected of damaging fertility or the unborn child.	DANGER!
Pictogram:		



Precautionary Statements Prevention:	Precautionary Statements Response:
Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.	IF SWALLOWED: Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical advice/attention. If exposed or concerned: Get medical advice/attention.
Precautionary Statements Storage:	Precautionary Statements Disposal:
Store locked up.	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	% by Weight.
Proprietary surfactant		Proprietary	40-50
Tetrahydro-2-furylmethanol		97-99-4	30-40
Hexylene glycol		107-41-5	5-10

Additional information:



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Section 4: First-Aid Measures

Eyes: Immediately flush eyes with clean water for at least 15 minutes. If irritation is severe or continues after rinsing, get medical attention.

Skin: If skin irritation is severe or continues, get medical attention. Remove contaminated clothing and wash affected skin areas with mild soap and water. In case of skin contact, flush promptly with abundant water.

Inhalation: If affected by breathing vapor, remove individual to fresh air. If breathing is difficult, get medical attention.

Ingestion: If swallowed contact physician or poison control center. Never give anything by mouth if victim is unconscious. Induce vomiting only on advice of physician.

Section 5: Fire-Fighting Measures

Suitable extinguishing media: Water spray or mist, carbon dioxide, dry chemical, foam.

Firefighting procedures: Use standard firefighting procedures and consider the hazards of other involved materials.

Precautions for firefighting: Wear self-contained breathing apparatus and full protective gear.

Hazardous combustion products: Carbon dioxide, carbon monoxide, and various hydrocarbons may be released during a fire.

Section 6: Accidental Release Measures

Personal precautions/ protective equipment: Remove all unnecessary personnel and ventilate area. For personal protective equipment see Section 8.

Environmental precautions: Keep run off out of municipal sewers and open bodies of water.

Methods for cleaning up: Contain spill and salvage as much material as possible by pumping to a salvage tank or drum. Pick up remaining material with a suitable absorbent.

Section 7: Handling and Storage

Precautions for Safe Handling: Keep container closed when not in use. Wash contaminated clothing before re-wearing. Wear chemical resistant gloves. Wear chemical splash goggles. Avoid breathing mists or vapors. Avoid contact with eyes, skin, and clothing.

Conditions for Safe Storage: Store at normal temperatures and conditions of warehousing. Keep container tightly closed and stored in a well-ventilated place.

Incompatibilities: Strong oxidizers.

Section 8: Exposure Controls/Personal Protection

Chemical Name	CAS#	Exposure Limit/Value	Type	Source
Proprietary surfactant	Proprietary	None	None	None
Tetrahydro-2-furylmethanol	97-99-4	0.5 ppm	TWA	AIHA WEEL
Hexylene glycol	107-41-5	25 ppm	WEEL	ACGIH

Appropriate Engineering Controls: Safety shower/eye bath. Good general ventilation should be used. Ventilation rates should be matched to conditions present.

PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear safety glasses or protective face shield.

Skin: Wear chemical resistant gloves, clothing, and footwear.

Respiratory: If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.

Section 9: Physical and Chemical Properties

Appearance: Clear Dark Blue Liquid	Specific Gravity @ 25C: Not available	Melting Point: Not available
Odor: Pleasant	Boiling Point: Not available	Freezing Point: Not available
pH: 6-8	Flash Point: >210F	Vapor Pressure @ 25C: Not available
Solubility in Water: Completely Soluble	Viscosity @ 25C: 1-30 cP	Evaporation Rate: Not available

Section 10: Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Stable under typical warehouse storage conditions.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and various hydrocarbons may be released during a fire.

Possibility of Hazardous Reactions: None are known.



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Section 11: Toxicological Information

ACUTE HEALTH EFFECTS:

Eyes: Can cause severe eye irritation or burns.

Skin: Can cause skin irritation.

Ingestion: Swallowing this product may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.

Inhalation: Breathing vapors at elevated temperatures may cause respiratory irritation.

Chronic Health Effects: None known or expected.

TOXICITY VALUES:

COMPONENT: Tetrahydrofurfuryl Alcohol
LD50 Oral (rat) 1600 mg/kg

Section 12: Ecological Information

Ecotoxicity: No data Available.

Persistence and Degradability: No data Available.

Bioaccumulative Potential: No data Available.

Mobility in Soil: No data Available.

Other Adverse Effects: No data Available.

Section 13: Disposal Considerations

Dispose of only by methods approved by and used in accord with local, state, and federal regulations.

Section 14: Transport Information

DOT Road Shipment Information (49 CFR 172.101): Non-Regulated

Ocean Shipment (IMDG): Non-Regulated

Air Shipment (IATA): Non-Regulated

Section 15: Regulatory Information

US FEDERAL REGULATIONS

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: No

Section 304 CERCLA Hazardous Substances: No

SARA Section 311/312 Hazards Categories:

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

SARA Section 313 (specific toxic chemical listings): None

CLEAN AIR ACT, SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS):

TSCA (Toxic Substances Control Act): All components of this product are listed in the TSCA Inventory

US STATES REGULATIONS:

Chemical Substances	New Jersey	Pennsylvania	Massachusetts
Hexylene Glycol (CAS# 107-41-5)	X		

California Prop. 65: To the best of our knowledge, this product does not contain any intentionally added reportable Proposition 65 chemicals above our level of detection. For more information go to <http://www.P65Warnings.ca.gov>.

Section 16: Other Information

General Information

Attention: Do not reuse container for purposes other than originally intended. Emptied container retains vapor or product residue. Do not reuse unless container is thoroughly reconditioned. For industrial use only. Use only according to information contained in the technical bulletin and SDS.

Additional: The information contained in this SDS is based on the data available to us from sources we believe to be reliable. No warranty or guarantee expressed or implied is made regarding the accuracy of this data or the results obtained from the reliance on this data. The supplier (The Libman Company) assumes no responsibility for injury from the use of this product. Be safe read this product safety information and pass it on to all persons who may be exposed to this product. Federal law requires it.

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