



GLASS CLEANER SDS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name on Label: PROFESSIONALS CHOICE GLASS CLEANER

Other Identification:

Use of the substance/mixture: GLASS CLEANER

Company name : MOORE OIL COMPANY
4033 WEST CUSTER AVE
MILWAUKEE, WI 53209 (414) 462-3200

Emergency number: (800) 424-9300 - CHEMTREC

SECTION 2: Hazards identification

Classification of the substance or mixture: Flammable Liquid: Category 3. Serious Eye Damage/Irritation: Category 2A.



Label elements:

Flammable liquid and vapor. Causes serious eye irritation.

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Wear protective gloves and eye/face protection.

Wash thoroughly after handling.

Other hazards: N/A

Unknown acute toxicity (GHS-US): N/A

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
DEIONIZED WATER	7732-18-5	88-92
2-BUTOXYETHANOL	111-76-2	4-10
ISOPROPYL ALCOHOL	67-63-0 3 - 7	2-4

SECTION 4: First aid measures

Description of first aid measures:

First-aid measures after inhalation	Remove person to fresh air. If you feel unwell, get medical attention.
First-aid measures after skin contact	Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.
First-aid measures after eye contact	Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.
First-aid measures after ingestion	Rinse mouth. If you feel unwell, get medical attention.

Based on test data and/or information on the components, this material may produce the following health effects:



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Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact: Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Eye Contact: Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Ingestion: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed: N/A

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during firefighting: Container may melt and leak in heat of fire. Hazardous

Decomposition or By-Products Substance: Carbon monoxide during combustion and carbon dioxide during combustion.

Further information: Fight fire with normal precautions from a reasonable distance.

Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions: Wash thoroughly after handling. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.

Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Environmental precautions: Outside of normal use, avoid release to the environment. Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

Methods and materials for containment and cleaning up: Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, which can dissolve in water. An AR - AFFF type foam is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

Precautions for safe handling: Avoid contact with skin, eyes and clothing.

KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Requirements for storage areas and containers: Keep container closed when not in use.

Other data: Stable under normal conditions.



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SECTION 8: Exposure controls/personal protection

Occupational Exposure Limits –

Ingredient	C.A.S.	No. Agency	Limit type	Additional Comments
ISOPROPYL ALCOHOL	67-63-0	ACGIH	TWA:200 ppm;STEL:400 ppm A4:	Not class. as human carcin
ISOPROPYL ALCOHOL	67-63-0	OSHA	TWA:980 mg/m ³ (400 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists AIHA : American Industrial Hygiene Association CMRG : Chemical Manufacturer's Recommended Guidelines OSHA : United States Department of Labor - Occupational Safety and Health Administration TWA: Time-Weighted-Average STEL: Short Term Exposure Limit CEIL: Ceiling

Respiratory protection: Half face piece or full face piece air-purifying respirator suitable for organic vapors and particulates.

Hand protection: Gloves made from the following material(s) are recommended: Nitrile Rubber Polymer laminate

Eye protection: Indirect Vented Goggles

Skin and body protection: No special requirements.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling

SECTION 9: Physical and chemical properties

Form: liquid Color: BLUE Odor: pleasant
pH: 10.7 Melting/freezing point: 0 C
Initial boiling point and boiling range: 100 C Flash point: > 93 °C > 199.4 °F
Approximate Evaporation rate: N/A Flammability (solid, gas): Does not sustain combustion
U/L flammability or explosive limits: N/A Vapor pressure: N/A
Vapor density: N/A Relative density: 1.00 g/cm³ at 25 C
Solubility: soluble Partition coefficient n-octanol/water : N/A
Auto-ignition temperature: N/A Decomposition temperature: N/A
Viscosity – dynamic: N/A Viscosity – kinematic: N/A
Oxidizing properties: N/A
Volatile Organic Compounds Total VOC (wt. %)*: 0.2 % - additional exemptions may apply
*as defined by US Federal and State Consumer Product Regulations
Other information: None identified

SECTION 10: Stability and reactivity

Possibility of hazardous reactions: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

Conditions to avoid: Direct sources of heat.

Incompatible materials: Do not mix with bleach or any other household cleaner or strong bases.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 11: Toxicological information

Emergency Overview:

Acute oral toxicity: LD50 estimated > 5,000 mg/kg

Acute inhalation toxicity: LC50 estimated > 2.58 mg/l

Acute dermal toxicity: LD50 estimated > 5,000 mg/kg



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SECTION 12: Ecological information

Eco-toxicity (aquatic and terrestrial, where available): N/A
Persistence and degradability: N/A
Bio-accumulative potential: N/A
Mobility in soil: N/A
Other adverse effects (such as hazardous to the ozone layer): NONE

SECTION 13: Disposal considerations

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport information

UN number: UN1219
UN proper shipping name: Isopropanol Alcohol Solution
Transport hazard class(es): 3
Packing group, if applicable: II
Environmental hazards (e.g., Marine pollutant (Yes/No)): No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): N/A
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: N/A

SECTION 15: Regulatory information

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Notification status: All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
California Prop. 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
HMIS Ratings – Health 1 Flammability 2 Reactivity 0
NFPA Ratings – Health 1 Fire 2 Reactivity 0

SECTION 16: Other information

The information in this Safety Sheet was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This safety sheet was prepared and is to be used only for this product. If the product is used as a component in another product, this safety sheet information may not be applicable.