1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: MS-260M Cleaner for Glass

Product Use: Cleaner for Glass

MANUFACTURER/DISTRIBUTOR:

Miller-Stephenson Chemical
55 Backus Ave.
Danbury, Conn. 06810 USA
(203) 743-4447

Emergency Phone Number:
(800) 424-9300

2. HAZARDS IDENTIFICATION

Physical Hazards: Flammable liquids, Category 4
Health Hazards: None classified.
Environmental Hazards: None classified.
OSHA Defined Hazards: None classified.

GHS Label Elements:
Pictogram: not required
Signal word: Warning
Hazard statement: Combustible liquid

Precautionary statements:
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection.
In case of fire: Use appropriate media to extinguish
Store in a well-ventilated place. Keep cool.

3. INGREDIENTS

Material (s)	CAS #	Approximate %
2-butoxyethanol	111-76-2	1 – <5
Ethyl Alcohol	64-17-5	1 – <5
2-(2-butoxyethoxy) ethanol	112-34-5	1 – <5
Non-hazardous and other components below reportable levels		> 90

4. FIRST AID MEASURES

Eye: Rinse immediately with water, holding the eyelids open to be sure the material is washed out. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

Skin: Take off immediately all contaminated clothing. Wash off with soap and water**.** If skin irritation occurs: Get medical advice/attention.

Inhalation: Remove victim to fresh air. Get medical attention if symptoms develop or persist.

Ingestion: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

Most important symptoms/effects, acute and delayed: No data available.

5. FIRE FIGHTING MEASURES

Flash point: 144°F/62°C estimated

Suitable Extinguishing Media: Water fog, foam, carbon dioxide, or dry chemical. Use fire-extinguishing media for surrounding area,

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the chemical: This product is combustible and heating may generate vapors which may form explosive vapor/air mixtures. Vapors could cause a flash fire or ignite explosively. During fire, hazardous gases may form.

Special Fire Fighting Instruction: Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENTAL RELEASE MEASURES

Spill: Keep unnecessary people away from and upwind from spill. Keep out of low areas. Wear appropriate personal protective equipment. Eliminate all sources of ignition. Keep combustibles (wood, paper, oil etc) away from spilled material. Ventilate area. Stop the leak if you can do so without risk. Prevent entry into waterways, sewers, basements or other confined areas. Use non-combustible material like vermiculite, sand, or earth to soak up material and collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Keep away from heat, flame or other sources of ignition. Avoid contact with eyes. Avoid prolonged exposure. Avoid breathing vapors and mists. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use.

Storage: Keep away from heat and sources of ignition. Store in a cool, well-ventilated, dry place out of direct sunlight. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	ACGIH	OSHA
Ethyl Alcohol	1000 ppm (STEL)	1000 ppm (PEL)
2-(2-butoxyethoxy) ethanol	10 ppm (TWA) (inhalable fraction)	
2-butoxyethanol	20 ppm (TWA)	50 ppm (PEL)

Ventilation: Use explosion-proof ventilation equipment. General ventilation (typically 10 air changes per hour) should be used. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits or to an acceptable level then an approved respirator must be worn.

Skin Protection: Appropriate chemical resistant gloves are recommended for operations which may result in prolonged/ repeated skin contact.

Eye Protection: Wear chemical safety glasses or goggles to prevent eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212ºF/100ºC estimated

Vapor Pressure: Not Available

pH Information: Not Available

Solubility: Not Available

Vapor Density (Air=1): Not Determined

Specific Gravity: 0.992 g/cc estimated

Appearance: Liquid

Physical State: Liquid

Color: Colorless to pale yellow

Odor: N.A.

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable at normal storage conditions.

Possibility of hazardous reactions: No data available

Conditions to Avoid: Keep away from heat, sparks, flames and other sources of ignition.

Incompatible materials: No data available

Hazardous Decomposition Products: No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Oral: 172,871 mg/kg (estimated)
Inhalation: 1980 mg/l (estimated)
Inhalation: 495 mg/l (estimated)
Dermal: 66,039 mg/kg (estimated)

Skin corrosion/irritation: No data available.
Serious eye damage/eye irritation: No data available.
Respiratory sensitization: Not available.
Skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity: No data available for single or repeated exposure.
Aspiration hazard: No data available.
Other effects: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
- **Acute hazards to the aquatic environment:**
  - **Fish:** No data available.
  - **Aquatic Invertebrates:** No data available.
- **Chronic hazards to the aquatic environment:**
  - **Fish:** No data available.
  - **Aquatic Invertebrates:** No data available.
  - **Toxicity to Aquatic Plants:** No data available.

Persistence and Degradability
- **Biodegradation:** No data available.
- **BOD/COD Ratio:** No data available.

Bioaccumulative potential
- **Bioconcentration Factor (BCF):** No data available.

Partition Coefficient n-octanol/water (log Kow): No data available.
Mobility in soil: No data available

13. DISPOSAL CONSIDERATIONS

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. The waste code should be assigned in discussion between the user, the producer, and waste disposal company. Dispose in accordance with all local, regional, and national regulations. The material and its container must be disposed of in a safe manner.

14. TRANSPORT INFORMATION

U.S. DOT
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

15. REGULATORY INFORMATION

US Federal Regulations:

TSCA: All ingredients are listed in TSCA inventory.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical: Yes

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard catagories: Acute Health - Yes
Chronic Health - No
Fire Hazard - Yes
Reactivity Hazard - No
Pressure Hazard - No

SARA 302 Extremely hazardous substance No

Other Federal Regulations:

Clean Air Act (CCA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CCA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act
Not regulated.

16. OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

REVISION DATE: FEBRUARY 2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.