



1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: MS-260 Safezone Cleaner for
Plastic, Glass & Metal

Product Use: Aerosol cleaner for
Plastic, Glass & Metal

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 Hazard: Gases under pressure – Liquefied Gas

Label elements:



Single Word: Warning

Hazard Statements: Contains gas under pressure; may explode if heated.

Precautionary statements:

Observe good industrial hygiene practices.

Wash hands after handling.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated area.

Dispose of contents/container in accordance with local, regional, national regulations.

3. INGREDIENTS

<u>Material (s)</u>	<u>CAS #</u>	<u>Approximate %</u>
Ethyl Alcohol	64-17-5	2 – 10
2-Butoxyethanol	111-76-2	2 – 10
Propane	74-98-6	1 – 3
n-Butane	106-97-8	1 – 3
Water	7732-18-5	> 90

4. FIRST AID MEASURES

Eye: Immediately rinse with water for at least 15 mins. holding the eyelids open to be sure the material is washed out. Get medical attention if irritation persists.

Skin: Get medical attention if irritation or symptoms of exposure develop.

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

Ingestion: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

5. FIRE FIGHTING MEASURES

Flammability: This product is not flammable. **Test Method:** Ignition distance test and Enclosed space ignition test

Flash point: -156°F/-104°C Propellant estimated

Extinguishing Media: Use water fog, foam, carbon dioxide, or dry chemical.

Special hazards: Fire or intense heat may cause violent rupture of cans. The product is not flammable. Hazardous combustion products may form.

Special Fire Fighting Instruction: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

Further information: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Evacuate personnel to safe areas. Cool cans with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Spill: Wear appropriate personal protective equipment. Eliminate all sources of ignition. Ventilate area. Stop the leak if you can do so without risk. Use non-combustible material like vermiculite, sand, or earth to soak up material and collect into a suitable container for disposal. Prevent entry into waterways, sewers, basements or other confined areas. Report spills and releases as required to appropriate authorities.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors and mists. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Keep away from heat, sparks and flame. Contents under pressure. Do not puncture or incinerate container.

Storage: Contents are under pressure. Do not puncture, incinerate or crush. Keep away from heat sparks, and flame. Store in a cool, well-ventilated area at temperatures below 122°F/50°C. Do not store in direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Exposure Limits:</u>	<u>ACGIH</u>	<u>OSHA</u>
Ethyl Alcohol	1000 ppm (STEL)	1000 ppm (PEL)
2-Butoxyethanol	20 ppm (TWA)	50 ppm (PEL)
Propane		1000 ppm (PEL)
n-Butane	1000 ppm (STEL)	

Ventilation: General ventilation should be adequate for normal use. 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: None needed under normal use conditions. For operations where the occupational exposure limit may be exceeded use NIOSH mechanical filter/organic vapor cartridge or air-supplied respirator.

Skin Protection: Impervious 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

Appearance: Light foam dissipates to a clear to light yellow liquid in an aerosol package.

Boiling Point: N.A.

Vapor Pressure: 80 – 100 psig at 70°F/20°C

pH Information: 9.1 – 10.1

Solubility: N.A.

Vapor Density (Air=1): Not Determined

Specific Gravity: 0.977 – 0.997 estimated

Form: Aerosol

Physical State: Liquid

Color: Clear to light yellow

Odor: Characteristic

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal storage conditions.

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

Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

2-Butoxyethanol

Acute

Inhalation: 7 hour LC50: 400 ppm in rabbits

Inhalation: 4 hour LC50: 450 ppm in rats

Oral: LD100: 695 mg/kg in rabbits

Oral: LD50: 530 – 2800 mg/kg in rats; 1200 mg/kg in guinea pig; > 695mg/kg in dogs

Dermal: 24 hour LD50: > 2000 mg/kg in rats

Dermal: 24 hour LD50: 435 mg/kg in rabbits

Ethyl Alcohol

Acute

Oral: LD50: 1187 - 2769 mg/kg in rats; 6000 mg/kg in monkeys; 10500 ml/kg in mice

Inhalation: 4 hour LC50: >115.9 mg/l in rats

Inhalation: LC50: >60000 ppm in mice

Inhalation: 6 hour LC50: 43.68 mg/l in cats

n-Butane

Acute

Inhalation: LC50: 1355 mg/l in rats

Inhalation: 120 minutes LC50: 1237 mg/l in mice

Propane

Acute

Inhalation: 4 hour LC50: 658 mg/l in rats

Inhalation: 120 minutes LC50: 1237 mg/l in mice

Skin corrosion/irritation: May be irritating to the skin. Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation: Direct contact with the eyes may cause temporary irritation. May be irritating to the eyes.

Respiratory or skin sensitization: None

Germ cell mutagenicity: No data available.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA,

Reproductive toxicity: Not expected to cause reproductive or developmental effects.

Specific target organ toxicity: Not classified for single or repeated exposure.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful. May be harmful if absorbed by the skin. 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

12. ECOLOGICAL INFORMATION

Components of this product have been identified as having potential environmental concerns.

2-Butoxyethanol

Aquatic: 96 hour LC50: 1250 mg/l in Inland silverside (*Menidia beryllina*)

Ethyl Alcohol

Aquatic: 48 hour EC50: 7700- 11200 mg/l in Water flea (Daphnia magna)
96 hour LC50: > 100.1 mg/l in Fathead minnow (Pimephales promelas)

13. DISPOSAL CONSIDERATIONS

Content under pressure. Do not puncture, incinerate, or crush containers. Do not allow this material to drain into sewer/water supplies. It is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets criteria for hazardous waste. Dispose in accordance with all local, regional, and national regulations.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D
Subsidiary hazard class: None

IMDG Shipping Description: Aerosols, Non-Flammable
Hazard Class: 2.2
UN Number: UN1950

IATA Shipping Description: Aerosols, Non-Flammable
Hazard Class: 2.2
UN Number: UN1950

15. REGULATORY INFORMATION

US Federal Regulations:

TSCA: All ingredients are listed in TSCA inventory.

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical: Yes

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories: Acute Health - No
Chronic Health - No
Fire Hazard - No
Reactivity Hazard - No
Pressure Hazard - Yes

SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical No
SARA 313 Not regulated

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)

Butane (CAS 106-97-8)

Propane (CAS 74-98-6)

Safe Drinking Water Act

Not regulated.

16. OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

REVISION DATE: OCTOBER 2017

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.