



Safety Data Sheet

Issue Date: 09/29/14

Revision Date: 01/09/16

Version: 1

1. PRODUCT IDENTIFICATION

- 1.1 Product Name:** Glass Cleaner Concentrate
Product Number: J114- 1
Product Type: Green
- 1.2 Product Use:** Glass Cleaner
- 1.3 Manufacturer:**
Name: Mass Cor Industries
Address: 1 Industries Drive
PO Box 188
Norfolk MA 02056
Business Phone: 508 - 850 - 1070
- 1.4 Emergency Phone Numbers:** **800-424-9300 (CHEMTREC 24hrs)**
The CHEMTREC number is to be called only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.
800-222-1222 (Poison Control)

2. HAZARD IDENTIFICATION

- EMERGENCY OVERVIEW:** This product is a clear colored liquid.
Health Hazards: May cause serious eye irritation and damage.
May cause respiratory irritation.
Flammability Hazards: Not determined
Reactivity Hazards: None known.
Environmental Hazards: None Known

2.1 GHS Labeling and Hazard Classification:

This product does meet the definition of a hazardous substance or preparation as defined by Health Canada and the OSHA (as described in 29 CFR 1910.1200(d))

Component(s) Contributing to Classification(s)

All Ingredients

2.2 Label Elements:

- GHS Hazard Classification(s):** Oral toxicity, not classified
Dermal toxicity, not classified
- Hazard Statement(s):** Unknown toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity
- Precautionary Statement(s)** Wash face, hands, and any exposed skin thoroughly after handling.
Avoid release to the environment.
- Response Statement(s):** If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Disposal Statement(s):** Dispose of contents/container to an approved waste disposal plant

Other Hazard(s): Any additional important symptoms and effects are described in Section 11: Toxicology Information.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
1-Butoxy-2-Propanol	5131-66-8	.1-1	*
1-methoxy-2-propanol	107-98-2	.1-1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

4.1 Description of First-Aid Measure:

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin Contact: Wash off immediately with plenty of water. Wash skin with soap and water
Inhalation: Remove to fresh air.
Ingestion: Clean mouth with water and drink afterwards plenty of water.

4.2 Symptoms and Effects:

Acute and Delayed: Any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Recommendations to Physician:

Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 Fire Extinguishing Material:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
 Caution: Use of water spray when fighting fire may be inefficient

5.2 Unusual Fire and Explosion Hazards

No information available.

5.3 Special Fire-Fighting Procedures:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation, especially in confined areas

6.2 Environmental Precautions:

See section 12 for additional ecological information

6.3 Spill and Leak Response:

Prevent further leakage or spillage if safe to do so and keep in suitable, closed containers for disposal

7. HANDLING / STORAGE

7.1 Precautions for Safe Handling:

Handle in accordance with good industrial hygiene and safety practice

7.2 Storage and Handling Practices:

Storage conditions: Keep containers tightly closed in a dry, cool and well-ventilated place
Incompatible materials: None known based on information supplied

7.3 Specific End Uses:

Glass Cleaner

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-methoxy-2-propanol 107-98-2	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

8.2 Exposure Controls:

Ventilation and Engineering Controls:

Showers, Eyewash stations & ventilation systems

Eye Protection:

Avoid contact with eyes. Wear safety glasses with shields/goggles

Skin / Body Protection:

No special technical protective measures are necessary. Wear protective gloves and protective clothing. Prolonged contact may cause redness and irritation. Wear protective gloves and protective clothing if needed. .

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

APPEARANCE (Physical State) and COLOR:

Dark Blue colored liquid

ODOR:

Fresh & Clean fragrance added

ODOR THRESHOLD:

Not Determined

pH (concentrate):

7.0 – 8.0

pH (diluted):

7.0 – 8.0

MELTING/FREEZING POINT:

Not Determined

BOILING POINT:	>= 100°C / 212°F (at 760 mm hg)
FLASH POINT:	Above 200°F
EVAPORATION RATE (n-BuAc=1):	Not Determined
FLAMMABILITY (SOLID, GAS):	N/A-Liquid
UPPER/LOWER FLAMMABILITY OR EXLOSION LIMITS:	Not Determined
VAPOR PRESSURE (mm Hg @ 20°C (68°F):	Not Determined
VAPOR DENSITY:	Not Determined
WATER SOLUBILITY:	Complete
RELATIVE DENSITY:	Not Determined
SPECIFIC GRAVITY:	Not Determined
SOLUBILITY IN WATER:	Not Determined
WEIGHT PER GALLON:	Not Determined
PARTITION COEFFICENT:	Not Determined
AUTO-IGNITION TEMPERATURE:	Not Determined
DECOMPOSITION TEMPERATURE:	Not Determined
VISCOSITY:	<25 cP @ 25°C

9.2 OTHER INFORMATION:

Density LBS/Gal	8.36
VOC Content (%)	0.6875

10. STABILITY / REACTIVITY

10.1 Reactivity:

No data available

10.2 Stability:

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reaction:

None under normal processing.

10.4 Conditions to Avoid:

Extremes of temperature and direct sunlight

10.5 Incompatible Materials:

None known based on information supplied

10.6 Hazardous Decomposition Products:

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicology Effects:

Eye Contact:	Avoid contact with eyes. Contact with eyes may cause irritation
Skin Contact:	No data available. No known hazard contact with skin
Inhalation:	No data available. No known effect
Ingestion:	No data available. Do not taste or swallow. Not an expected route of exposure

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Butoxy-2-Propanol 5131-66-8	= 1900 mg/kg (Rat) = 5660 µL/kg (Rat)	= 3100 mg/kg (Rabbit)	-
1-methoxy-2-propanol 107-98-2	= 7200 mg/kg (Rat)	= 13000 mg/kg (Rabbit)	= 7500 mg/L (Rat) 6 h

Symptoms:	Not information available
Sensitization:	No information available
Germ Cell Mutagenicity:	No information available
Reproductive Toxicity:	No information available
Aspiration Hazard:	No information available
Suspect Cancer Agent:	No information available
STOT-Single Exposure:	No information available
STOT-Repeated Exposure:	No information available
Target Organs:	Central nervous system, Eyes, Respiratory system and Skin

Numerical measured of toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Ecotoxicity

0.375% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
1-methoxy-2-propanol 107-98-2	-	20.8: 96 h Pimephales promelas g/L LC50 static 4600 - 10000: 96 h Leuciscus idus mg/L LC50 static	23300: 48 h Daphnia magna mg/L EC50
Sodium Lauryl Sulfate 151-21-3	3.59 - 15.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 53: 72 h Desmodesmus subspicatus mg/L EC50 30 - 100: 96 h Desmodesmus subspicatus mg/L EC50 117: 96 h Pseudokirchneriella subcapitata mg/L EC50	4.5: 96 h Lepomis macrochirus mg/L LC50 10.8 - 16.6: 96 h Poecilia reticulata mg/L LC50 static 1.31: 96 h Cyprinus carpio mg/L LC50 semi-static 5.8 - 7.5: 96 h Pimephales promelas mg/L LC50 static 10.2 - 22.5: 96 h Pimephales promelas mg/L LC50 semi-static 22.1 - 22.8: 96 h Pimephales promelas mg/L LC50 static 4.3 - 8.5: 96 h Oncorhynchus mykiss mg/L LC50 static 8 - 12.5: 96 h Pimephales promelas mg/L LC50 static 15 - 18.9: 96 h Pimephales promelas mg/L LC50 static 4.62: 96 h Oncorhynchus mykiss mg/L LC50 flow- through 4.2: 96 h Oncorhynchus mykiss mg/L LC50 7.97: 96 h Brachydanio rerio mg/L LC50 flow-through 9.9 - 20.1: 96 h Brachydanio rerio mg/L LC50 semi- static 4.06 - 5.75: 96 h Lepomis macrochirus mg/L LC50 static 4.2 - 4.8: 96 h Lepomis macrochirus mg/L LC50 flow-through 6.2 - 9.6: 96 h Pimephales promelas mg/L LC50 13.5 - 18.3: 96 h Poecilia reticulata mg/L LC50 semi- static	1.8: 48 h Daphnia magna mg/L EC50

12.2 Persistence and Degradability:

Not determined

12.3 Bioaccumulative Potential:

Not determined

12.4 Mobility in Soil:

Chemical Name	Partition coefficient
1-methoxy-2-propanol 107-98-2	-0.437

12.5 Other Adverse Effects:

Not determined

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:**Disposal of Waste:**

Disposal should be in accordance with applicable local, national and regional laws and regulations.

Contaminated Packaging:

Disposal should be in accordance with applicable local, national and regional laws and regulations.

14. TRANSPORTATION INFORMATION

Note: The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT: Not regulated

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:**International Inventories:****United State Federal Regulations:****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

United State, State Regulations:

California Proposition 65

This product does not contain and proposition 65 chemicals

US State Right to Know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1-methoxy-2-propanol 107-98-2	X	X	X

16. OTHER INFORMATION

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. MassCor assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, MassCor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

END OF SAFETY DATA SHEET