

SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: MAG 1 ALL PURPOSE GLASS CLEANER
Product Code: MG720419

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Not applicable
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer: Warren Distribution, Inc.
727 S. 13th Street
Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number

Emergency phone number: CHEMTREC: +1 (800) 424-9300
International: +01 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Toxicity - Inhalation Gas Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 4

2.2. Label elements

GHS Hazard Symbols



Signal Word

Danger

Hazard Statements

H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H330 - Fatal if inhaled.

Precautionary Statements

Prevention

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection.

Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 - Immediately call a poison center/doctor/....
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P320 - Specific treatment is urgent (see ... on this label).
P322 - Specific measures (see ... on this label).
P330 - Rinse mouth.

SAFETY DATA SHEET

Storage	P361 - Remove/Take off immediately all contaminated clothing.
	P363 - Wash contaminated clothing before reuse.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
	P405 - Store locked up.
Disposal	P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

Hazards not otherwise classified: No data available.

Unknown acute toxicity (GHS-US)

Unknown Acute Toxicity 94 % of the mixture consists of ingredient(s) of unknown toxicity.

(Oral):

Unknown Acute Toxicity 94 % of the mixture consists of ingredient(s) of unknown toxicity.

(Dermal):

Unknown Acute Toxicity 90 % of the mixture consists of ingredient(s) of unknown toxicity.

(Vapor):

Unknown Acute Toxicity 90 % of the mixture consists of ingredient(s) of unknown toxicity.

(Dust/Mist):

SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
Ethylene glycol mono-n-butyl ether	1 - 5	111-76-2	Acute Tox. 3; H311 Acute Tox. 2; H330 Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315
Isopropanol	1 - 5	67-63-0	Acute Tox. 4; H332 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H335, H336

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.
Eyes	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS. Contains a highly toxic substance that may be fatal if swallowed. Seek medical help immediately and contact a poison information service. Drink two glasses of water or milk to dilute.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Not determined

4.3. Indication of any immediate medical attention and special treatment needed

Note to Doctor No additional first aid information available.

SAFETY DATA SHEET

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable and Unsuitable

Extinguishing Media:

Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion

Hazards

Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back

5.3. Advice for firefighters

Fire Fighting Methods and Protection

Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion

Products

Carbon dioxide, Carbon monoxide

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

6.2. Environmental precautions

No data available.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: No data available.

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. Use spark-proof tools and explosion-proof equipment

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

Incompatible materials

See Section 10.

7.3. Specific end use(s)

Not applicable

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name

Isopropyl alcohol

2-Butoxyethanol

Propane

Isopropyl alcohol

2-Propanol

2-Butoxyethanol

Propane

Occupational Exposure Limits

OSHA PEL

OSHA PEL

OSHA PEL

OSHA STEL

ACGIH TLV-TWA

ACGIH TLV-TWA

ACGIH TLV-TWA

Value

400 ppm TWA; 980 mg/m³ TWA

50 ppm TWA; 240 mg/m³ TWA

1000 ppm TWA; 1800 mg/m³ TWA

500 ppm STEL; 1225 mg/m³ STEL

200 ppm TWA

20 ppm TWA

1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-4)

SAFETY DATA SHEET

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
2-Propanol	ACGIH STEL	400 ppm STEL
n-Butane	ACGIH STEL	1000 ppm STEL
Isopropyl alcohol	IDLH	2000 ppm IDLH (10% LEL)
2-Butoxyethanol	IDLH	700 ppm IDLH
Propane	IDLH	2100 ppm IDLH (10% LEL)
2-Butoxyethanol	OSHA PEL-Skin Notation	prevent or reduce skin absorption
2-Butoxyethanol	OSHA STEL-Skin Notation	Potential for dermal absorption

8.2. Exposure controls

Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection

Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels.

Respirator Type(s)

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Odor	Moderate
Odor threshold	Not determined
pH	Not determined
Freezing point	Not determined
Boiling Point	Not determined
Flash Point Method	Not determined
Evaporation Rate	Not determined
Upper Flammable/Explosive Limit, % in air	Not established
Lower Flammable/Explosive Limit, % in air	Not established
Flammability (solid, gas)	Not applicable
Vapor pressure	Not determined
Vapor Density	4.1 2.07
Relative Density	0.95
Solubility in Water	Complete; 100%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined

9.2. Other information

Volatiles, % by weight	0.000000 0.0000000
------------------------	-----------------------

SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
------------------	--------------------

SAFETY DATA SHEET

SECTION 10: Stability and reactivity

10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Elevated temperatures
10.5. Incompatible materials	Oxidizing materials
10.6. Hazardous decomposition products	Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity	Highly toxic if swallowed. May cause target organ failure and/or death even at a low dose. Likely to be practically non-toxic by ingestion based on animal data.
Skin Contact	This material is likely to be severely irritating to skin based on animal data. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption	Estimated to be 1.0 - 2.0 g/kg; slightly toxic
Inhalation Toxicity	No hazard in normal industrial use. Estimated to be 2 - 20 mg/l; slightly toxic.
Eye Contact	This material is likely to be severely irritating to eyes based on animal data. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Sensitization	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Specific target organ toxicity-Single exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
Specific target organ toxicity-Repeated exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.
Aspiration toxicity	Non-hazardous under Aspiration category.
Other information	No data available.

Agents Classified by IARC Monographs

Not applicable	IARC Group 1
Not applicable	IARC Group 2A
Not applicable	IARC Group 2B

National Toxicity Program (NTP) Status

Not applicable	Known Human Carcinogen
Not applicable	Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity	
Acute Aquatic ecotoxicity:	Non-hazardous under Aquatic Acute Environment category.
Chronic Aquatic ecotoxicity:	Non-hazardous under Aquatic Chronic Environment category.
12.2. Persistence and degradability	
Does not biodegrade readily.	
12.3. Bioaccumulative potential	
Bioconcentration is not expected to occur.	
12.4. Mobility in soil	
This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.	

SAFETY DATA SHEET

SECTION 12: Ecological information

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods

Dispose of in a landfill. Disposal is not likely to be regulated.

Waste Disposal Code(s)

D001

Waste Description for Spent Product

Spent or discarded material is a hazardous waste.

Contaminated packaging:

SECTION 14: Transport information

DOT Basic Description UN1950, AEROSOLS, 2.1, LTD QTY

IMDG	Proper Shipping Name:	AEROSOLS
	UN Number:	UN1950
	Hazard Class:	2.1
	Exception:	LTD QTY
	EMS#	F-D,S-U
IATA	Proper Shipping Name:	AEROSOLS
	UN Number:	UN1950
	Hazard Class:	2.1
	Exception:	LTD QTY

SECTION 15: Regulatory information

Chemical Inventories

TSCA Status All components of this material are on the US TSCA Inventory or are exempt.

U.S. State Restrictions: Not applicable

WHMIS: A, B1
B3, D1A, D2B
B2, D2B

Chemical Name	Regulation	CAS #	%
None.	CERCLA		
Isopropyl alcohol	SARA 313	67-63-0	1 - 5
None.	SARA EHS		
None.	TSCA 12b		

U.S. State Regulations

Chemical Name	Regulation	CAS #	%
None.	California Prop 65- Cancer		
None.	California Prop 65- Dev. Toxicity		
None.	California Prop 65- Reprod -fem		
None.	California Prop 65- Reprod-male		
Isopropyl alcohol	Massachusetts RTK List	67-63-0	1 - 5
Butane	Massachusetts RTK List	106-97-8	1 - 5

SAFETY DATA SHEET

Chemical Name	Regulation	CAS #	%
2-Butoxyethanol	Massachusetts RTK List	111-76-2	1 - 5
Propane	Massachusetts RTK List	74-98-6	0.1 - 1
Isopropyl alcohol	New Jersey RTK List	67-63-0	1 - 5
Butane	New Jersey RTK List	106-97-8	1 - 5
2-Butoxyethanol	New Jersey RTK List	111-76-2	1 - 5
Propane	New Jersey RTK List	74-98-6	0.1 - 1
2-Propanol	Pennsylvania RTK List	67-63-0	1 - 5
Butane	Pennsylvania RTK List	106-97-8	1 - 5
Ethanol, 2-butoxy-	Pennsylvania RTK List	111-76-2	1 - 5
Propane	Pennsylvania RTK List	74-98-6	0.1 - 1
None.	Rhode Island RTK List		
Isopropyl alcohol	Minnesota Hazardous Substance List	67-63-0	1 - 5
Butane	Minnesota Hazardous Substance List	106-97-8	1 - 5
2-Butoxyethanol	Minnesota Hazardous Substance List	111-76-2	1 - 5
Propane	Minnesota Hazardous Substance List	74-98-6	0.1 - 1

HMIS Ratings:

Health: 3
Fire: 4
Reactivity: 0
PPE: B

NEPA Ratings:

Health: 3
Fire: 4
Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16: Other information

Revision Date 4/2/2015 3:31:27 AM
Supersedes: 8/27/2014 7:36:29 PM
References ACGIH: American Conference of Governmental Industrial Hygienists
 AIHA: American Industrial Hygiene Association
 CFR: Code of Federal Regulations
 DOT: United States Department of Transportation
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transportation Association
 IDLH: Immediately Dangerous to Life or Health
 IMDG: International Maritime Dangerous Goods
 NFPA: National Fire Protection Association
 NIOSH: National Institute for Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible Exposure Limit
 RTK: Right-to-Know
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short-term Exposure Limit
 TLV: Threshold limit value
 TSCA: Toxic Substances Control Act
 TWA: Time weighted average
 UN: United Nations
 WHMIS: Workplace Hazardous Materials Information System

Disclaimer This safety data sheet and the information it contains is offered to you in good faith as accurate. We

SAFETY DATA SHEET

SECTION 16: Other information

have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.