

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 3
Health: 1
Reactivity: 1

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name, Address **Masury Columbia Cleaning Technology - PO Box 1247 - Great Bend KS 67530**

Product Name: Glass Cleaner

Product Number: M5212

Chemical Family: Aqueous blend of ammonia and solvents.

Package Size: 17 oz.

EPA Reg. No: N/A

Emergency Telephone No. 620-792-1711

Preparer: Bill Dayton

Date: 11/19/02

Signature:

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS#	OSHA TWA	ACGIH TWA	Percent
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	<7
Isobutane	75-28-5	1000 ppm	800 ppm	<6
*Dipropylene Glycol n-Butyl Ether	29911-28-2	N/A	N/A	<2
*Water	7732-18-5	N/A	N/A	<88
*Ammonia	7664-41-7	50 ppm	25 ppm	<1

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

No Physical Hazards	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Liquid/Solid	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Combustible	<input type="checkbox"/>	Flammable Aerosol	<input type="checkbox"/>	Pyrophoric	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Compressed Gas	<input checked="" type="checkbox"/>	Explosive	<input type="checkbox"/>	Unstable - Reactive:	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>

Boiling Point, °F: Compressed Gas Solubility in Water: Complete Evaporation Rate: >1
Vapor Pressure: 42 psig @ Specific Gravity (water =1): 0.9865 pH: 11
Vapor Density: 2.0 %Volatiles by Weight: 99

Appearance and Odor: Colorless, thin liquid/characteristic ammonia odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): Liq.102F (TOC) Flammable Limits: LEL: 1.9 UEL: 9.5
Extinguishing Media: CO2, Dry Chemical, Foam, ABC Extinguisher

Special Fire: Keep aerosols cooled with water to prevent bursting.

Fighting Procedures:

Unusual Fire and Explosion Hazards: COMPRESSED GAS: Temperatures in excess of 130F may cause bursting. Liquid concentrate is flammable. Contents of ruptured cans contribute combustible materials in the event of fire.

SECTION V - REACTIVITY DATA

Stability: Unstable
Stable Conditions to Avoid: N/A

Incompatibility: Do not mix with any other materials
(Materials to Avoid)

Hazardous Decomposition: With extreme heat or fire, releases typical hydrocarbon decomposition by-products.
Products or Byproducts:

Hazardous Polymerization: May Occur: Will Not Occur:
Conditions to Avoid: N/A

Comments:

*Added to comply with the Pennsylvania Worker Right to Know Act and the New Jersey Worker and Community Right to Know Act.

SECTION VI - HEALTH HAZARD DATA

Route (s) of entry:	Inhalation	<input checked="" type="checkbox"/>	Skin:	<input checked="" type="checkbox"/>	Eye:	<input checked="" type="checkbox"/>	Ingestion:	<input type="checkbox"/>
No Health Hazard	<input type="checkbox"/>	Reproductive toxin	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>			
Toxic	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	Carcinogen	<input type="checkbox"/>			
Highly Toxic	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	See Target Organs	<input checked="" type="checkbox"/>			

TARGET ORGANS

Lungs	<input checked="" type="checkbox"/>	Eyes	<input checked="" type="checkbox"/>	Blood	<input type="checkbox"/>	Teratogen	<input type="checkbox"/>	Mucous Membranes	<input checked="" type="checkbox"/>
Heart	<input type="checkbox"/>	Skin	<input checked="" type="checkbox"/>	Liver	<input checked="" type="checkbox"/>	Central Nervous System	<input checked="" type="checkbox"/>	Autonomic Nervous System	<input type="checkbox"/>
Kidney	<input type="checkbox"/>	Prostrate	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Cardiovascular System	<input type="checkbox"/>	Respiratory System	<input checked="" type="checkbox"/>
Carcinogenicity:	None Known	<input checked="" type="checkbox"/>	NTP:	<input type="checkbox"/>	IARC:	<input type="checkbox"/>	OSHA Regulated	<input type="checkbox"/>	

Medical Conditions Generally Aggravated by Exposure:
None Known

Signs and Symptoms of Exposure:

May cause redness and irritation of eye or skin. Central nervous system effects include headache or dizziness.

Emergency and First Aid Procedures:

In case of eye or skin contact rinse thoroughly with water for 15 minutes. Call a physician if irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Mop up, rinse with water

Waste Disposal Method:

Do not puncture or incinerate. For single units, wrap in newspaper and dispose in trash container. Dispose of multiple units in accordance with Local, State and Federal Regulations.

Potential EPA Hazardous Waste Code(s): N/A

Steps to be taken in handling and storage:

NFPA "Level 1 Aerosol". Do not spray near heat, spark, or open flame. Store at 40 - 90F. Read and follow label directions. Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection(Specify Type):

Optional

Ventilation: Local Exhaust: Special:
Mechanical: Recommended

Protective Gloves: Optional Eye Protection: Recommended

Other Protective Clothing and Equipment:

None Required

SECTION IX - SHIPPING INFORMATION

DOT Proper Shipping Name and Number:

Consumer Commodity ORM-D

NE = Not Established

N/A = Not Applicable