

1. Identification**Product Identity:** Multi-Shine**Recommended Use:** Glass and Surface Cleaner**Producer / Distributor**Multi-Clean
600 Cardigan Road
Shoreview, MN 55126**Telephone Number for Information:** 651-481-1900**Emergency Telephone Number:** 800-255-3924**2. Hazard Identification****Classification:****Health Class**Reproductive Toxicity Category 2
Specific Target Organ Toxicity - Single Exposure Category 2
Specific Target Organ Toxicity - Repeated Exposure Category 2**Physical Class**

Flammable Liquid Category 4

Environment Class**Label****Symbols****Signal Word** Warning**Hazard Statements:**Combustible liquid.
Suspected of damaging fertility or the unborn child.
May cause damage to central nervous system.
May cause damage to liver and/or kidneys through prolonged or repeated exposure.**Precautionary Statements:**Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Keep away from flames and hot surfaces. No smoking.
If exposed or concerned: Get medical attention.
In case of fire: Use alcohol foam/CO2/dry chemical to extinguish.
Store locked up, in a well-ventilated place. Keep cool.
Dispose of contents in accordance with local regulations.**3. Composition/Information on Ingredients**

Ingredient	CAS Number	Percent by Weight
Propylene Glycol Monomethyl Ether	107-98-2	1 - 5
Propylene Glycol n-butyl Ether	15131-66-8	1 - 5
Ammonium Hydroxide	1336-21-6	< 1
Water	7732-18-5	60 - 100

4. First-Aid Measures:**Ingestion:** May be harmful if Swallowed
Eye Contact: May Cause irritation on contact
Skin Contact: May cause irritation on prolonged or repeated contact
Inhalation: Move to fresh air.**5. Fire Fighting Measures:****Suitable Extinguishing Media:** Alcohol Foam - CO2 - Dry Chemical
Special Fire Fighting Procedures: Water hose stream may spread fire, Use water spray to keep containers cool
Unusual Fire and Explosion Hazards Vapors are heavier than air and may travel over distances to ignition sources(heat, flames, sparks, pilot lights etc.) where ignition may occur ground all equipment**6. Accidental Release Measures:**

Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. For large spills, dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example; floor-dry). For small spills, wipe up spill with mop or rag. Dispose of or treat mop or rag properly to avoid fire.

7. Handling and Storage:

Handling: Keep from freezing. Keep out of reach of children.

Storage: Do not store near heat sparks or flame.

8. Exposure Controls / Personal Protection:**Exposure Limits****Ingredients**

Propylene Glycol Monomethyl Ether
Ammonium Hydroxide

CAS Number

107-98-2

Osha PEL

100 ppm

ACGIH TLV

100 ppm

Exposure Controls

Engineering Controls: Ventilate to maintain vapor levels below exposure limits.

Personal Protective Equipment:

Eye Protection: Approved Safety Goggles or Glasses

Skin Protection: Chemical Resistant Rubber Gloves

Respiratory Protection: Not required, Avoid breathing spray mist

9. Physical and Chemical Properties:

Physical State: Liquid

pH: 10 - 11

Appearance: Blue

Specific Gravity (H₂O = 1): 1.005

Odor: Mild

Flammability: Combustible

Solubility: Complete

Flash Point: 147°F (64°C) Closed Cup

Evaporation Rate: NA

Boiling Point: > 212° F (100°C)

Vapor Pressure (MM HG): NA

%volatile: >95

Vapor Density (Air = 1): > 1

10. Stability and Reactivity:

Chemical Stability: Stable

Possibility of Hazardous Reactions: None are known

Incompatibility (Materials to Avoid): Oxidizing Material

Hazardous Decomposition or By-products: None

Hazardous Polymerization: Will not Occur

Conditions to Avoid: None are known

11. Toxicological Information:

Signs and Symptoms of Overexposure: May cause headaches or narcotic effects

Acute Effects:

Eye Contact: May cause irritation on contact

Skin Contact: May cause irritation on prolonged or repeated contact

Inhalation: May be harmful

Ingestion: May be harmful if swallowed

Target Organ Effects: Central nervous system, Liver, Kidneys and is Suspected of damaging fertility or the unborn child.

Chronic Effects: May cause damage to central nervous system, liver and/or kidneys through prolonged or repeated exposure.

Acute Toxicity Values:

Oral LD₅₀ > 5000 mg/kg

Dermal LD₅₀ > 5000 mg/kg

Inhalation (Vapor) LC₅₀ > 50 mg/l

12. Ecological Information:

Persistence and Degradability: Product is Readily Biodegradable

Bio Accumulative Potential: Not Available

Mobility in Soil: Not Available

Aquatic Toxicity: Not Available

13. Disposal Considerations:

Material that cannot be used during normal use should be disposed of in accordance with all applicable local, state and federal regulations.

Waste from normal cleaning procedures may be disposed of in a sanitary sewer depending on the materials and/or contaminants being cleaned as well as local, state and federal sewer regulations.

14. Transportation Information:

UN Number: None
Shipping Name: Cleaning Compound, Liquid
Transport Hazard Class: None
Packing Group: None
Marine Pollutant: NO

15. Regulatory Information:

TSCA Status: All ingredients listed
Clean Water Act: Ammonium Hydroxide(1336-21-6) is listed in the Clean Water Act as a Hazardous Substance.
Clean Air Act: None of the chemicals in this product are listed under the CAA
CERCLA Reportable Quantity: Ammonium Hydroxide (1336-21-6), > 1000 lbs.
SARA Title III Information:
Section 302 Extremely Hazardous Chemicals: None Listed
Section 311 / 312 Hazard Category: Immediate Health Chronic Health, Fire
Section 313 Toxic Chemicals: None Listed
State Regulations: None
International Regulations: WHMIS Controlled Product Hazard Class B3, D2B

16. Other Information:

Prepared By: Eric Scholl
Telephone Number: 651-481-1900
Revision Date: 6/7/2013
Supersedes: 4/1/2012
This SDS applies to the following Part Numbers
 902305
 902307
 902308

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Health	1
Flammability	2
Physical hazards	0