

**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	CAS Number	Osha PEL	ACGIH TLV
Propylene Glycol Monomethyl Ether	107-98-2	100 ppm	100 ppm
Ammonium Hydroxide			

**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**Appearance:** Blue**Odor:** Mild**Solubility:** Complete**Evaporation Rate:** NA**Vapor Pressure (MM HG):** NA**Vapor Density (Air = 1):** > 1**pH:** 10 - 11**Specific Gravity (H<sub>2</sub>O = 1):** 1.005**Flammability:** Combustible**Flash Point:** 147°F (64°C) Closed Cup**Boiling Point:** > 212° F (100°C)**%volatile:** >95**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 LD<sub>50</sub>** = > 5000 mg/kg**Dermal LD<sub>50</sub>** = > 5000 mg/kg**Inhalation (Vapor) LC<sub>50</sub>** = > 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

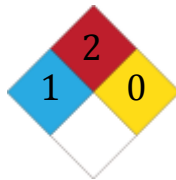
**15. Regulatory Information:**

**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:** Ron Camp  
**Telephone Number:** 651-481-1900  
**Revision Date:** 6/7/2013  
**Supersedes:** 4/1/2012

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<b>Health</b>	1
<b>Flammability</b>	2
<b>Physical hazards</b>	0