

I. Product Identification:

Product Name- Super Scratch Gard

Product Use- Protective coating for ophthalmic lenses.

Identification Number- 6780

Last Update- 11-01-06

NFPA Hazard Ratings: Health- 2, Fire- 2, Reac.- 1

II. Hazardous Components:

| Hazardous Ingredients | CAS or UN number | TLV (mg/m³) | LD50/LC50 |
|----------------------------------|-----------------------------|-----------------------------------|------------------|
| Ethylenediamine | 000107153 | 10ppm | 1.16g/kg |
| Methyl Alcohol | 00067561 | 200ppm | 1.10g/kg |
| 2-Propanol | 67-63-0 | 400ppm | Not Available |

III. Physical Data:

Appearance and Odor- Blue liquid with vinegar like odor **Boiling Point-** 102°C (<216°F)

Density (g/ml)- For liquids and solids Density = Specific gravity

Melting Point- Not available

Percent Volatile (v/v)- Not available

PH- 4.0

Specific Gravity (Water = 1)- 1.01

Vapor Pressure- As water

Evaporation Rate (Butyl Acetate = 1)- As water

Odor Threshold- Not available

Physical State- liquid

Solubility in water- Complete

Vapor Density (Air=1)- As water

IV. Fire and Explosion Data:

Flammability (Flashpoint below 37.8°C)- No

Flash Point- >66°C (>150°F)

Extinguishing Media: Alcohol Foam, Co2, Water Spray/Fog

Special Fire Fighting Procedures- Not available

Flammable Limits: Lower- Not available

Autoignition Temperature- Not available

Explosion Data- Not available

V. Health Hazard Data:

Primary Routes of entry: Skin, Inhalation

Eye- Direct contact may seriously irritate the eye. Corneal injury may occur lasting several days to a week. Greater exposure may cause severe burns with possible blindness.

Skin- Repeated contact may cause allergic reaction. With greater exposure may cause severe burns.

Inhalation- Vapor will irritate the respiratory tract. Vapor overexposure may cause drowsiness. Irritant to lung tissue.

Ingestion- May cause blindness and death if swallowed. May cause severe burns or death if ingested in large amounts.

VI. First Aid Data:

Eyes- Flush eyes for at least 15 minutes. Make sure to irrigate under lids. Get medical attention immediately.

Skin- Flush skin for at least 15 minutes. Rinse off with warm soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

Inhalation- Remove to fresh air if effects occur. Consult a physician if irritation persists.

Ingestion- If swallowed, seek medical attention. Induce vomiting if person is conscious. Give large amounts of milk. Lie down, keep warm and cover eyes to exclude light. Treat as methyl alcohol effects alcohol poisoning.

VII. Corrosivity and Reactivity Data:

Stability- Stable

Conditions to avoid- Oxidizing materials. Keep away from aluminum and tin. **DO NOT HEAT!!!**

Decomposition Products- May produces byproducts carbon dioxide and carbon monoxide.

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VIII. **Chemical Handling:**

Polymerization- Stable

Handling and Storage- Exercise reasonable care and caution. Keep and store in a cool dry area.

Leaks or Spills- Neutralize spill with dilute acid. Area of spill may be slippery. Use dry absorbent material to contain spill.
Store waste in a plastic container. Dispose of material in an approved container.

Waste Disposal Method- Review local, state and federal laws for waste disposal requirements.

IX. **Personal Protection Information:**

Eye- Use goggles for splash protection.

Respiratory- None normally required.

Gloves- Use chemically resistant gloves if sensitive to material. **Footwear-** None normally required.

Ventilation: Local, Mechanical (General)

Work, Hygienic, Maintenance Practices and Special Clothing: Exercise reasonable care and caution. Wash before eating, smoking, or going to the bathroom.

X. **Special Precautions or Other Comments:**

This product will generate methyl alcohol upon contact with water and humid air. Keep work areas well ventilated!

DO NOT HEAT!!! This product contains a small amount of sodium hydroxide. A patch test was done on a human in the lab to test the safety of this product. No irritation was noted after twenty minutes.

XI. **Toxicological Data:**

Carcinogenicity- Not a known carcinogen

Teratogenicity- Not available

Mutagenicity- Not available

Reproductive Effects- Not available

TLV (mg/m³)-See section I.

LD50- Not available

LC50- Not available

XII. **Regulatory Information:**

Sara Hazard Category- This product can be considered an acute and chronic hazard.

Canadian Right To Know- Not a " controlled product" under WHMIS.