



MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Product Name: Technician's Choice Tec480 Vision Glass Cleaner Concentrate(10:1)
Product Code: 1179
Product Class: Glass Cleaner
Manufacturer/Supplier: ECP Incorporated
11210 Katherine's Crossing, Suite 100
Woodridge, IL 60517
Telephone: 630-754-4200
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: January 12, 2002
Date of Review/Update: July 13, 2009

Section 2:- Hazardous Ingredients

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>% Range</u> | <u>OSHA PEL</u> | <u>ACGHI TLV</u> |
|---------------------------------|-------------------|----------------|-----------------|------------------|
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111-76-2 | 30-50% | 25ppm skin | 25ppm skin |

Section 3: Hazard Identification

Signs and Symptoms of Exposure:

Eye: Symptoms include irritation, redness, tearing, blurred vision, corneal damage and blindness.

Skin: Symptoms include redness, swelling, burns and severe skin damage.

Ingestion: Swallowing can be fatal. Symptoms include severe gastrointestinal irritation.

Inhalation: Severe irritation of respiratory system. May lead to death.

Medical Conditions Aggravated by Exposure:

Acute lethal exposure to ETHYLENE GLYCOL MONOBUTYL ETHER I in animal studies has resulted in congestion of organs including kidney, spleen and lung. Overexposure to ETHYLENE GLYCOL MONOBUTYL ETHER I has been suggested as a cause of the following effects in laboratory animals and may aggravate pre-existing disorders of these organs in humans: mild reversible liver effects, mild reversible kidney effects, blood abnormalities. ETHYLENE GLYCOL MONOBUTYL ETHER has been shown to harm the fetus in laboratory animal studies. Harm to the fetus occurs only at levels that harm the pregnant animal. The relevance of these results to humans is uncertain.

HMIS Rating: Health- 1 Fire- 0 Reactivity- 0 Personal Protection- C
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Section 4: First Aid Measures

Eye Contact: Flush with large amounts of water for at least 15 minutes while holding eyelids apart. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If individual is conscious and alert immediately rinse mouth with water and give milk or water to drink. Do not leave individual unattended. Seek medical attention

Skin Contact: Wash affected area with water for fifteen minutes. Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. If skin is damaged seek medical attention immediately.

Inhalation: Remove exposure. Restore breathing. Keep warm and quiet. Seek medical attention immediately.

Section 5: Fire-Fighting Measures

Fire and Explosive Properties: Flash Point: No data Flammable Limits: LEL: Unknown UEL: Unknown

Extinguishing Media: Alcohol-resistant foam, agents approved for class B hazards or water fog, Carbon dioxide, dry chemical

Protective Equipment: Wear full fire fighter gear and respirator. Avoid spreading burning liquid with water used for cooling purposes.

Section 6: Accidental Release Measures

Steps to be taken if Material is Spilled or Leaked:

Ventilate, neutralize and remove with inert absorbent. Do not allow to reach waterways.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Do not smoke. Never wear soaked clothing. Launder or dry-clean before wearing. Affix proper warning labels on containers in accordance with 29CFR 1010.1200. KEEP AWAY SOURCES OF IGNITION OR STRONG OXIDIZERS. Store in a dry, cool, well ventilated area.

Section 8: Exposure Controls and Personal Protection

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.

Respirator Protection: If required a properly fitted NIOSH/MSHA approved respirator rated for the hazardous ingredients found in (SECTION 2).

Skin Protection: Gloves rated for protection against ingredients in (SECTION 2).

Eye Protection: Safety glasses with side shields or chemical goggles

Section 9: Physical and Chemical Properties

Boiling Point: 212°F

Vapor Density: No data

Specific Gravity: 0.99 ± 0.05

% Volatile: 99.5% ± 0.5%

Appearance/Odor: BLUE LIQUID, CHEMICAL ODOR

Vapor Pressure (mmHg @ 68°F): No data

Solubility in Water: Completely soluble

Melting Point: N/A

pH: 7.0 ± 0.5

Section 10: Stability and Reactivity

Stability: Stable

Materials to Avoid: Metals such as copper, aluminum, magnesium zinc to release hydrogen gas which is explosive. Strong acids.

Conditions to Avoid: Extreme heat

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: Aldehydes, carbon dioxide/monoxide, ketones, organic acids, sulfurous compounds.

Section 11: Toxicology Information

Not Available

Section 12: Ecological Information

Not Available

Section 13: Disposal Considerations

Waste Disposal: Dispose of in accordance with federal, state and local regulations.

Section 14: Transport Information

D.O.T. REQUIREMENTS (49CFR 172.101): Not Regulated

Section 15: Regulatory Information

RQ (REPORTABLE QUANTITY) 49CFR 172.101

None

TSCA (Toxic Substances Control Act) Status

The intentional ingredients of this product are listed.

CERCLA RQ - 40CFR 302.4

None

SARA 302 COMPONENTS - 40CFR 355 Appendix A

None

SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate (X)

Delayed (X)

Fire ()

Reactive ()

Sudden Release of Pressure ()

SARA 313 COMPONENTS - 40CFR 372.65

COMPONENT

GLYCOL ETHER (2-BUTOXYETHANOL)

CAS NUMBER

111-76-2

MAX. PERCENT

40.00%

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

| Ingredient | Max. % By Wt. | LD50 | LC50 |
|---------------------------------|-----------------|-----------------------|------------------------|
| ETHYLENE GLYCOL MONOBUTYL ETHER | 111-76-2 30-50% | Oral -Mouse 1230mg/kg | Inhal- Mouse 700ppm/7H |

CALIFORNIA PROPOSITION 65: None

Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.