

# MATERIAL SAFETY DATA SHEET

## Distributed By:

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## SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME : **Glass & Surface Cleaner**

CHEMICAL FAMILY : MIXED SOLVENTS

LATEST REVISION DATE : March, 2007

## SECTION II – HAZARDOUS INGREDIENTS & OTHER COMPONENTS

INGREDIENTS	% Weight	EXPOSURE LIMITS		CAS NO.
		OSHA PEL	ACGIH TLV	
Isopropanol	3 – 8	400 ppm	200 ppm	67-63-0
Ethylene Glycol Monobutyl Ether	< 2	50 ppm	20 ppm	111-76-2
Methylal	< 2	1000 ppm	1000 ppm	109-87-5
Propane / n-Butane Blend	4 – 8	NE	800 ppm	68476-86-8

\* NE: Not Established (a) : Mist (b) : Dust

THIS PRODUCT MAY CONTAIN ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACTS OF 1986 AND OF 40 CFR 372. SEE SECTION X FOR SPECIFIC MATERIALS.

## SECTION III - PHYSICAL DATA

APPEARANCE / ODOR : Clear, sweet odor.SPECIFIC GRAVITY (Water=1) : < 1VAPOR PRESSURE : @ 70 °F = 48 psiVAPOR DENSITY (Air=1) : > 1BOILING POINT : NEEVAPORATION RATE (Ethyl Ether=1) : < 1SOLUBILITY IN WATER : Water SolublePERCENT VOLATILE by weight : 100 %

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION : Non-flammable aerosol per ASTM D-3065-77 Flame Extension TestFLAMMABLE LIMITS : LEL : 1.1 UEL : 12FLASH POINT : Concentrate only: NE

Propellant only: Approx Minus (-) 120° F

SPECIAL FIRE FIGHTING PROCEDURES : Keep aerosol containers cooled with water fog to prevent bursting.EXTINGUISHING MEDIA : Foam, CO<sub>2</sub>, Dry ChemicalUNUSUAL FIRE AND EXPLOSION HAZARDS : Contents under pressure. Exposure of aerosol cans to temp above 120°F may cause bursting.

## SECTION V – HEALTH HAZARD DATA

PRIMARY ROUTE(s) OF ENTRY : INHALATION : YES DERMAL : YES INGESTION : YESEFFECTS OF OVEREXPOSURE :

SKIN : Redness, irritation and defatting of skin.

EYES : Redness, irritation and tearing.

INHALATION : Respiratory irritation, dizziness, weakness. Central nervous system depressant.

INGESTION : Gastrointestinal irritation, nausea, vomiting. Aspiration hazard if swallowed.

CARCINOGENICITY : NTP : NO IARC : NO ACGIH : NOMEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE : Pre-existing eye, skin and respiratory disorders.

**EMERGENCY AND FIRST AID PROCEDURES :**

**SKIN :** Remove contaminated clothing. Thoroughly wash with soap and water. Consult Physician if irritation persists.

**EYES :** Flush immediately with water for 15 minutes. Consult Physician if irritation persists.

**INHALATION :** Move to fresh air. Get medical attention if irritation persists.

**INGESTION :** Do not induce vomiting. Get immediate medical attention.

## SECTION VI - REACTIVITY DATA

**STABILITY :** Stable

**CONDITIONS TO AVOID :** Temperatures above 120 °F . Ignition sources.

**HAZARDOUS DECOMPOSITION BY-PRODUCTS :** Oxides of Carbon.

**INCOMPATIBILITY :** Strong oxidizers.

**HAZARDOUS POLYMERIZATION :** Will not occur.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :** Large spills are unlikely due to aerosol packaging. Ventilate area. Soak up with absorbent material and dispose of accordingly.

**WASTE DISPOSAL METHOD :** When disposing of spent containers, do not puncture or incinerate. Dispose of in accordance with local, state, and federal regulations.

## SECTION VIII – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION :** Use NIOSH approved self-contained breathing apparatus if TLV is exceeded.

**VENTILATION :** Sufficient local or mechanical ventilation to maintain vapor concentrations below TLV.

**PROTECTIVE GLOVES :** Solvent resistant.

**EYE PROTECTION :** Safety glasses with chemical splash-proof side shields, chemical goggles and/or face shield.

**OTHER PROTECTIVE CLOTHING AND EQUIPMENT :** Sufficient to prevent skin contact.

## SECTION IX – SPECIAL PRECAUTIONS

Keep out of reach of children. Avoid contact with skin, eyes or clothing. Avoid prolonged or repeated exposure to vapors. Do not store at temperature exceeding 120°F. Do not use or store around sources of heat, sparks or open flames. Do not puncture or incinerate.

## SECTION X – SUPPLEMENTARY INFORMATION

**SARA TITLE III :**

Section 302 Extremely Hazardous Substances (40 CFR 355): None

Section 304 CERCLA Hazardous Substances (40 CFR 302): None

Section 311/312 Hazard Class (40 CFR 370):

Immediate (X) Delayed ( ) Fire (X) Reactive ( ) Sudden Release of Pressure ( )

Section 313 Toxic Chemicals (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2 1%

VOC: 15.3%

**RATING SCALE:** 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

**HMIS CLASSIFICATION :** HEALTH : 0 FLAMMABILITY : 1 REACTIVITY : 0

**NFPA CLASSIFICATION :** HEALTH : 0 REACTIVITY : 0 FIRE : 1

Periodically, user should request new MSDS to assure it matches current formulation. The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, no warranty is made either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.

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