

MATERIAL SAFETY DATA SHEET

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EFFECTIVE DATE: 2/26/04

SUPERCEDES: / /

MANUFACTURED FOR: KLINE'S AUTOMOTIVE
630 N. 13th Street
Allentown, PA. 18102
610-433-3203

CHEMTREC: 1-800-424-9300

SECTION 1: GENERAL INFORMATION

PRODUCT NAME: Glass Cleaner (4:1)
PRODUCT ID: KCPDGC

NFPA 704

HAZARD RATING

4=Severe H=2

3=Serious F=3

2=Moderate R=0

1=Slight

0=Minimal

SECTION 1A: D.O.T. SHIPPING INFORMATION

Proper Shipping Name: Flammable Liquid, N.O.S.
(isopropyl alcohol,
ethylene glycol monobutyl ether)

Hazard Class: 3
UN/NA: UN1993
Packaging Group: II

NOTE: N/A = NOT APPLICABLE

EMERGENCY OVERVIEW

WARNING. FLAMMABLE. Liquid may burn with an invisible flame. Causes eye and skin irritation. Moderate inhalation and skin absorption hazard. Harmful if swallowed.

SECTION 2: HAZARDOUS INGREDIENTS

#	INGREDIENT	CAS #	OSHA PEL (ppm or *mg.M ³) +=skin, c=ceiling	ACGIH TLV (ppm or *mg.M ³) +=skin, c=ceiling	WEIGHT %
1	ISOPROPYL ALCOHOL	67-63-0	400	400	20-40
2	2- BUTOXYETHANOL	111-76-2	25+	25+	20-40
3					
4					
5					
6					
7					
8					

SECTION 3A: SARA TITLE III INFORMATION

#	EHS RQ (LBS) 1*	EHS TPQ (LBS) 2*	SEC 313 3*	313 CATEGORY 4*	311/312 CATERGORIES 5*
1	N/A	N/A	N/A	N/A	H-1,H-2,P-3
2	N/A	N/A	N/A	YES	H-1, H-2, P-3
3					
4					
5					
6					
7					
8					

*1= Reportable Quantity of Extremely Hazardous Substance. Sec 302.

*2= Threshold Planning Quantity, Extremely Hazardous Substance. Sec 302.

*3= Toxic Chemical. Sec 313.

*4= Required by Sec. 313 (40 CFR 372.42) used on Toxic Release Inventory Form

*5= Hazard Category for SARA Sec. 311/312 Reporting.

HEALTH HAZARD:

PHYSICAL HAZARD:

H-1 = Immediate (acute)

P-3 = Fire

H-2 = Delayed (chronic)

P-4 = Sudden Release of Pressure

P-5 = Reactive

SECTION 3B: CERCLA INFORMATION

EPA - Comprehensive Environmental Response, Compensation and Liability Act. Under EPA - CERCLA (Superfund) releases to air, land or water which exceed the reportable quantity must be reported to the National Response Center, 1-800-424-8802

REPORTABLE QUANTITY FOR RELEASE (RQ) = No.

SECTION 3C: RCRA INFORMATION

EPA - RCRA Hazardous waste as specified in 40 CFR 261? YES.

SECTION 4: PHYSICAL/CHEMICAL DATA

BOILING POINT : >180F

% VOLATILE : 99

VAPOR DENSITY : 2X Air

WT/GALLON : 7.34 lbs

SPECIFIC GRAVITY: 0.881

SOLUBILITY : Complete

EVAPORATION RATE : Approximately that of water.

pH : 11

APPEARANCE & ODOR: Thin, clear blue, foamy liquid with mild alcohol odor.

SECTION 5: FIRE AND EXPLOSION DATA

FLASH POINT: 88F TEST: SETAFLASH (ASTM D3278)
EXPLOSIVE LIMITS: LEL: 2% UEL: 12.7 (IPA)

EXTINGUISHING MEDIA: Use water spray, dry chemical, CO2 or "alcohol" foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion may produce noxious and irritating gases which will require fresh air source in fire fighting.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turnout gear as a general precaution

SECTION 6: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Does not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, oxidizing agents and excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon, Nitrogen, Sulfur and other toxic gases

SECTION 7: HEALTH HAZARD (ACUTE/CHRONIC)

CARCINOGENICITY: NTP: N IARC: N OSHA: N

EFFECTS OF OVEREXPOSURE:

EYES: Causes severe eye irritation.

SKIN: Prolonged contact may cause skin irritation.

INHALATION: Vapors or mist may cause irritation to mucous membranes and respiratory tract.

INGESTION: Harmful if swallowed. Can result in gastric distress.

CHRONIC EFFECTS AND MEDICAL CONDITIONS: None Known.

SECTION 8: EMERGENCY AND FIRST AID

EYES: Flush with copious amounts of water until all material is removed. If irritation develops or persists, GET MEDICAL ATTENTION.

SKIN: Thoroughly wash exposed area with water. Remove contaminated clothing and launder before reuse.

INHALATION: Remove to fresh air. If breathing is difficult, oxygen maybe given, preferably with a physician's advice. GET MEDICAL ATTENTION.

INGESTION: If swallowed do not induce vomiting. Possible aspiration hazard. If possible, do not leave victim unattended. Do not give anything by mouth to an unconscious or convulsing person. GET MEDICAL ATTENTION.

SECTION 9: PERSONAL PROTECTIVE MEASURES

EYE PROTECTION: Avoid splashing. Wear safety goggles if necessary. Contact lenses must not be worn.

PROTECTIVE GLOVES: Depending on conditions of use, protective gloves, apron boots, head and face protection should be worn. This equipment should be cleaned thoroughly after each use.

RESPIRATORY PROTECTION: No occupational exposure standards have been set for this material. Where exposure through inhalation may occur from use, NIOSH/ MSHA approved respiratory protection equipment is recommended.

VENTILATION: Either local exhaust or general room ventilation is recommended.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash fountain and safety shower as required by OSHA.

SECTION 10: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Handle according to good manufacturing and warehousing practices. Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove contaminated clothing and launder before reuse. Store in original containers away from heat, sparks, open flames, strong acids or strong oxidizers.

SPILLS AND LEAKS: CAUTION: Floor may become slippery. Sweep/soak up small spills using inert material. For large spills, limit access to area. Dike and contain spill with inert material, if necessary, and transfer the material to containers suitable for recovery/disposal. Keep large spills out of sewers and open bodies of water.

WASTE DISPOSAL: Dispose of in accordance with all Federal, State and Local Environmental Laws in effect at the time.

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