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\* Canadian Centre for Occupational Health and Safety \*  
\* \* \* \* \* Issue : 95-1 (February, 1995) \*

## \*\*\* IDENTIFICATION \*\*\*

MSDS RECORD NUMBER : 316607  
PRODUCT NAME(S) : Car Wash Concentrate  
PRODUCT IDENTIFICATION : Product code: 40064, 40470, 40471, 40472, 40473,  
40980  
DATE OF MSDS : 1990-04-09

## \*\*\* MANUFACTURER INFORMATION \*\*\*

MANUFACTURER : U S Chemical and Plastics  
ADDRESS : 1446 West Tuscarawas Street  
Canton Ohio  
U.S.A. 44706  
EMERGENCY TELEPHONE NO. : 216-455-4311

## \*\*\* SUPPLIER/DISTRIBUTOR INFORMATION \*\*\*

SUPPLIER/DISTRIBUTOR : U S Chemical and Plastics  
ADDRESS : 1446 West Tuscarawas Street  
Canton Ohio  
U.S.A. 44706  
EMERGENCY TELEPHONE NO. : 216-455-4311

## \*\*\* MATERIAL SAFETY DATA \*\*\*

## MATERIAL SAFETY DATA SHEETS

## SECTION I - PRODUCT IDENTIFICATION

Product name: Car Wash Concentrate  
Product use: Cleaning Compound  
Product code: 40064, 40470, 40471, 40472, 40473, 40980  
Schedule B #: 3402.19.5000-6

HMIS rating: Health = 2, Flammability = 0, Reactivity = 0  
(Least hazardous = 0, most hazardous = 4)

## SECTION II - PRODUCT IDENTIFICATION

Ingredients

CAS#

%

Dipropylene Glycol Monomethyl Ether  
LC50 ppm (Inhalation): N/Av  
LD50 mg/kg (Oral): 5680

34590-94-8

1-5%

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SECTION III - PHYSICAL DATA

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Physical State: Liquid  
Odor and appearance: Clear green liquid with very low odour  
Odor threshold: N/Av  
Specific gravity: 1.06  
Coefficient of water/oil distribution: N/Av  
Vapor pressure (mm Hg): N/Av  
Boiling point: N/Av  
Freezing point: N/Av  
pH: ~8.5  
Vapor density (Air=1): Heavier than air.  
Evaporation rate: Slower than Ethyl Ether.  
Volatiles, %: Approximately 86%  
Solubility in water: Soluble

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SECTION IV - FIRE AND EXPLOSION DATA

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Conditions of flammability: Closed containers exposed to high temperatures such as fire conditions may rupture.

Means of extinction: Dry chemical, carbon dioxide or foam. Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatuses. Fight like a fuel oil fire. Cool Fire exposed containers with water spray.

Sensitivity to mechanical impact/static discharge: Should not be sensitive to mechanical impact. Sensitivity to static discharge not available.

Flash point (method): 98.9 deg C (TAGG Closed Cup)  
Upper flammability limit %: N/Av  
Lower flammability limit %: N/Av  
Auto-ignition temperature: N/Av  
Hazardous Combustion Products: Refer to "Hazardous Decomposition Products".

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SECTION V - REACTIVITY DATA

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Stability: Stable under normal conditions.

Incompatible materials: Strong acids, strong oxidizing agents (such as peroxides.)

Conditions of reactivity: Hazardous polymerization does not occur. Does not react with water. Avoid contact with open flames, sparks, and high temperatures.

Hazardous decomposition products: Thermal decomposition may produce carbon dioxide, carbon monoxide, and hazardous acid fumes.

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SECTION VI - TOXICOLOGICAL PROPERTIES

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\*\*\* Routes of exposure and acute/chronic effects \*\*\*

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LD50 of material: N/Av

LC50 of material: N/Av

Exposure limit: ACGIH-TLV-TWA; 100 ppm for dipropylene glycol monomethyl ether.

Inhalation: May cause irritation of nose, throat, headache, or nausea.

Skin: Irritant when in contact with abraded or open skin. May cause irritation, reddening, or defatting of normal skin.

Eyes: Can cause eye irritation.

Ingestion: WARNING! Harmful if swallowed. May cause irritation of mouth, throat, nausea or vomiting. Aspiration (breathing in) of even small amounts of vomited material into the lungs can cause a possibly fatal pneumonitis (inflammation of the lungs).

Chronic effects: Carcinogenicity: No ingredient listed as a carcinogen by IARC or ACGIH. Mutagenicity, teratogenicity, reproductive effects: N/Av.

Sensitization to product: N/Av

Synergistic Products: N/Av

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SECTION VII - FIRST AID

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Inhalation: Remove victim to fresh air. Call a physician immediately.

Skin: Wash affected area with mild soap and excess water. If irritation persists, see a physician.

Eyes: Flush with lukewarm running water for 15 minutes, holding eyelids open. Call a physician immediately.

Ingestion: DO NOT INDUCE VOMITING. Remove victim to a well ventilated area. Make comfortably warm but not hot. Have victim drink large amounts of water. Never give anything by mouth if victim is unconscious or convulsing. Give

oxygen or artificial respiration as required. Call a physician immediately.

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SECTION VIII - PREVENTIVE MEASURES

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Spill, leak, or release: Soak up with inert absorbent such as sand or vermiculite and place in a container suitable for disposal; seal container tightly.

Waste disposal: Comply with federal, provincial, and local regulations regarding disposal.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL DAY OR NIGHT IN CANADA CANUTEC (1-613) 996-6666 (COLLECT).

\*\*\* PROTECTIVE EQUIPMENT \*\*\*

Respiratory protection: Wear a NIOSH-approved respirator if TLV is exceeded.

Ventilation: Use general or local exhaust as needed to keep contamination below the TLV.

Protective gloves: Impervious gloves such as neoprene or equivalent.

Eye Protection: Chemical safety goggles recommended to protect against accidental splashes.

Other protective equipment: Maintain an eyewash station and a safety shower in the work area.

\*\*\* STORAGE AND HANDLING \*\*\*

Handling procedures and equipment: Keep away from extreme heat, open flames or other sources of ignition. Avoid eye or skin contact. Avoid breathing of vapors.

Storage requirements: Store in a cool, dry, well-ventilated area. (not above 37 deg F).

Special Shipping Information: Ship in accordance with TDG regulations.

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Additional notes or references:

Abbreviations:

N/Av: Not available  
N/Ap: Not applicable  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
TLV-TWA: Threshold Limit Values, Time Weighted Average  
NIOSH: National Institute of Occupational Safety and Health  
MSHA: Mine Safety and Health Administration

TDG: Transportation of Dangerous Goods Act.

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SECTION IX - PREPARATION INFORMATION

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Prepared by: U.S. Chemical & Plastics

Telephone #: (216) 455-4311

Preparation date: April 9, 1990