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In case of **emergency or spill**, contact CHEMTREC at 800-424-9300

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name: D13 - Glass Cleaner Concentrate

Print date: 06/23/2004

Reference Number: None

Prepared Date: 08/16/2002

Use of the Substance/Preparation

Recommended use: Glass Cleaner.

Company/Undertaking Identification

Meguiar's Holland
 Laan der Verenigde Naties
 40
 33174 DA Dordrecht
 Holland
 Tel: 31-78-6210268

Meguiar's Hong Kong
 Suite 6-7, 20/F Marina House
 68 Hing Man Street
 Shaukeiwan
 Hong Kong
 Tel: 852-2967-0202

Meguiar's France
 79 avenue Edouard Vaillant
 92100 BOULOGNE
 France
 Tel: 33-1-46-10-47-81

Meguiar's UK Ltd.
 14 Cottesbrooke Park
 Heartlands
 Daventry NN11 5YL
 Tel: 0870 241 6696
 Fax: 01327 300 116

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS #	% Weight	OSHA PEL TWA	EINECS No.	Classification
Isopropyl Alcohol	67-63-0	18-25	None	200-661-7	F;R11 R67; Xi;R36
t-Butyl carbinol	75-84-3	10-30	None	---	---
Conditioners	TS	1-5	None	---	---
Proprietary Surfactant Blend	TS	1-10	None	---	---
1-(1,1 Dimethylethoxy)-2-Propanol	57018-52-7	1-10	None	406-180-0	Xi;R10-41
Water	7732-18-5	50-70	None	231-791-2	

3. HAZARDS IDENTIFICATION

Most important hazards:

This product is for use by professional car washes and detailers only and is NOT intended for home use. Flammable. This product contains chemicals listed on Canada WHMIS. See Section 15.

4. FIRST AID MEASURES

General Advice:	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Skin contact:	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

NFPA:

Health: 2

Flammability: 3

Reactivity: 0

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or alcohol-resistant foam.

Specific hazards:

Heating can release hazardous gases.

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons:

Not applicable

Specific methods:

Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation.
Environmental precautions:	Do not allow material to contaminate ground water system.
Methods for cleaning up:	Wipe up with absorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions:

Use only in area well ventilated area

Safe handling advice:

Keep away from sources of ignition - no smoking.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible products:

No materials to be specially mentioned

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:	Ensure adequate ventilation.
Respiratory protection:	Ensure good ventilation.
Skin and body protection:	No special precautions required.
Eye protection:	Avoid contact with eyes. If splashes are likely to occur, wear: Safety glasses with side-shields
Hand protection:	Protective gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance: Liquid
Color: Dark blue

Physical state: Liquid
Odor: Characteristic

Important Health Safety and Environmental Information

pH @70° F:	7.5	
Flash point:	70 (°F), 21 (°C)	Method: PMCC-ASTM D93-90
Boiling point/range:	180 (°F), 82 (°C)	
Water Solubility:	Completely soluble	
Miscibility in Water.	Completely soluble	
Vapor density:	2 x H2O	
Density:	0.89	
Evaporation rate:	2.0	
VOC content:	60%	
Specific gravity:	0.89	

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Conditions to avoid:	Extremes of temperature and direct sunlight. Heat.
Materials to avoid:	None
Hazardous decomposition products:	Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Not determined
Component Information

Additional Information: The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product Information

Aquatic toxicity: No information available

Component Information

Ecotoxicity effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging:

Disposal must be made according to local and federal regulations.

Ewc waste disposal no:

Not applicable

Further information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

14. TRANSPORT INFORMATION

General Transportation Statement

- DOT: Flammable liquid, n.o.s. (Isopropyl alcohol, Ethylene glycol monobutyl ether), Class 3.3, UN# 1993, PG III

UN-No: UN 1993

ADR/RID (cross border):

Proper shipping name: Flammable Liquid, n.o.s. (Isopropyl Alcohol, Ethylene Glycol Monobutyl Ether)
Class: 3
Kemler Number: 328
Packing group: II
Labels: 3

Maritime transport IMDG:

Proper shipping name: Flammable Liquid, n.o.s. (Isopropyl Alcohol, Ethylene Glycol Monobutyl Ether)
Class: 3.3
Packing group: II
Labels: 3
EMS: F-E, S-C

Air transport ICAO-TI and IATA-DGR:

Proper shipping name: Flammable Liquid, n.o.s. (Isopropyl Alcohol, Ethylene Glycol Monobutyl Ether)
Class: 3.3
Packing group: II
Labels: 3

Other information:

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

Components	TSCA	DSL/NDSL	Canada - WHMIS Classification
Isopropyl Alcohol 67-63-0	Present	Present	B2; D2B
t-Butyl carbinol 75-84-3	Present	Present	
Conditioners TS		Present	
1-(1,1 Dimethylethoxy)-2-Propanol 57018-52-7	P	Present	
Water 7732-18-5	XU	Present	

16. OTHER INFORMATION

Prepared by: Health & Safety
Literary reference: None

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist

End of Safety Data Sheet