
4. FIRST AID MEASURES

EYE CONTACT

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

SKIN CONTACT

Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

INHALATION

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION

If victim is conscious and alert, give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person. Do not leave victim unattended.

5. FIRE FIGHTING MEASURES

Flash Point and Method: >200°F (Setaflash CC)

GENERAL HAZARD

This product is not combustible.

EXTINGUISHING MEDIA

Use media suitable for the material that is burning.

SPECIAL FIRE FIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

FIRE FIGHTING EQUIPMENT

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

6. ACCIDENTAL RELEASE MEASURES

Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

7. HANDLING AND STORAGE

HANDLING

Wear appropriate protective equipment (See Section 8).

STORAGE

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes or striates, gently thaw prior to use. Mild agitation may be required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

PERSONAL PROTECTION

Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Eye Protection: Wear safety glasses with side shields or goggles.

Gloves: Wear natural rubber gloves.

Clothing: Normal working clothing is generally adequate.

Other: Eye wash; safety shower.

EXPOSURE CONTROLS

COMPONENT	OSHA PEL		OSHA PEL	
	TWA	STEL	TWA	STEL
Ethanol	1000 ppm			

9. PHYSICAL AND CHEMICAL PROPERTIES

State Clear amber liquid
Odor..... Citrus
Ionic charge Non-ionic
Melting Point, °C N/D
Boiling Point, °C..... N/D
Weight per Gallon 8.925 lb/gal
Specific Gravity @20°C 1.0727±0.005
Water Solubility..... Soluble
pH 10.6 ± 0.5
Vapor density (air=1)..... >1

10. STABILITY AND REACTIVITY

REACTIVITY Stable
INCOMPATIBILITIES
Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide.
CONDITIONS TO AVOID
Avoid contact with heat.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:**Alcohols, C9-11, ethoxylated**

Oral LD₅₀ (Rat) 1,378 mg/kg
Dermal LD₅₀ (Rat) >5,000 mg/kg
Inhalation LC₅₀ No data

Primary skin irritation (Rabbit) Moderately to severely irritating
Primary eye irritation (Rabbit) Severely irritating

C8-10 Alkylpolyglucoside & C10-16 Alkylpolyglucoside

Oral LD50: >5000 kg/mg body weight

Carcinogenicity

Ethanol (CAS 64-17-5) A3 Confirmed animal carcinogen with unknown relevance to humans.

12. ECOLOGICAL INFORMATION

LC₅₀ (Fish toxicity, *Rainbow trout*) 1-10 mg/l, 96hr. Value estimated from tests on similar products.
LC₅₀ (Fish toxicity, *Fathead minnow*) 6 mg/l, 96hr. Value estimated from tests on similar products.
EC₅₀ (Aquatic invertebrate toxicity, *Daphnia*) 1-10 mg/l, 48hr. Value estimated from tests on similar products.
EC₅₀ (Algae toxicity, *Skeletonema costatum*) 1-10 mg/l, 72hr. Value estimated from tests on similar products.
EC₅₀ (Bacterium toxicity, *Nitrifying bacteria*) 410 mg/l, 4hr. Value estimated from tests on similar products.

Sodium laureth sulfate

EC50 Water flea (*Ceriodaphnia dubia*): 2.43 - 4.01 mg/l 48hours

Ethanol

LC50 Fathead minnow (*Pimephales promelas*): > 100 mg/l 96hours

EC50 Water flea (*Daphnia magna*): 7.7 - 11.2 mg/l 48 hours

BOD No data
COD..... No data
Heavy metals No data

Biodegradability Readily biodegradable.
Modified Sturm Test (OECD 301B) >60% CO₂, 28 days
Primary biodegradation >90%

13. DISPOSAL CONSIDERATIONS

RCRA Waste Code: Not regulated under RCRA, 40 CFR 261
Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.
Empty packaging: Remove all residue when emptying.

14. TRANSPORTATION INFORMATION

DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated
Hazardous: N
Shipping Name: LIQUID CLEANING COMPOUNDS
Freight Class: 55

15. REGULATORY INFORMATION

(Not meant to be all-inclusive, selected regulations represented)

OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)

Hazardous Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117, 302)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA HAZARD CATEGORIES (40 CFR 370)

Acute Chronic Fire Pressure Reactive None

SARA TOXIC SUBSTANCES (40 CFR 372)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

US TOXIC SUBSTANCES CONTROL ACT/INVENTORY STATUS

The components of Masodol 91-6 are listed and in compliance with the requirements of the following chemical inventories: US (TSCA; FIFRA-EPA Pesticide Inert Ingredient), Canada (DSL), European Communities (EINECS-Polymer, REACH Status: Exempt polymer, monomer(s) pre-registered), Australia (AICS), China (IECSC), Japan (ENCS), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS), ASIA-PAC.

INCI NAME

Pareth-6/C9-11

EU RoHS COMPLIANCE (EU Directive 2002/95/EC)

Masurf FS-1800 complies with the European Union Restriction of Hazardous Substances (RoHS) in waste electrical and electronic equipment (WEEE) requirements (EU Directive 2002/95/EC): <1000ppm Pb, Cr VI, Hg, PBB, PBDE; <100ppm Cd

HARMONIZED TARIFF SCHEDULE CODES

US Census Bureau Schedule B 2009: 3402.13.0000

Departmental Consolidation of the *Customs Tariff* 2010 (Canada): 3402.13.9090

EC Community Tariff (TARIC): 3402.13.0090

STATE REGULATIONS

California Proposition 65: Not Regulated

Pennsylvania, New Jersey Right-to-Know: Ethanol (64-17-5)

CANADIAN WHMIS CLASSIFICATION

Class D Division 2 Subdivision B-Toxic Material: D-2B

EUROPEAN COMMUNITY LEGISLATION: EC-DIRECTIVE-MARKINGS

Substance Name Alcohols, C9-11, ethoxylated

Symbols

R-phrases: R41: Risk of serious damage to eyes

S-phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye/face protection.

EU directive Classification and labeling have been performed according to EC-directive 2001/58/EC.

16. OTHER INFORMATION

ABBREVIATIONS

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
N/E:	Not established	N/K:	Not known	RQ:	Reportable quantity
TPQ:	Threshold Planning Quantity				

TEXT OF R PHRASES IN SECTION 2

R41: Risk of serious damage to eyes

Date Prepared: 2/5/14

Date Revised: 06/05/14

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