



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

		HMIS	NFPA
PRODUCT IDENTIFICATION			
Brand Name:	Microbloc® Protex Multi Surface Protection	1	1
Chemical Name:	Silicone Coating	1	1
Common Name:	Silicone Coating	0	0
		PHYSICAL HAZARD	0
		HMIS PPE	C

PREPARER
Microbloc
A Limited Liability Corporation
3305-J Rutherford Road
Taylors, SC 29687

EMERGENCY TELEPHONE NUMBER
1-888-328-6653

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS#	WEIGHT %
Alkyl dimethyl benzyl ammonium chloride		.40%
Alkyl dimethyl ethylbenzyl ammonium chloride		.40%

Ingredients not precisely identified are proprietary or non-hazardous.

(Note: See Section 8 of this MSDS for Exposure Guidelines)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Colorless to pale yellow solution with slight alcoholic glycol odor. May cause mild eye and skin irritation. May irritate respiratory passages if inhaled. In case of fire, use alcohol or multi-purpose foam, dry chemical, CO ₂ or water. Do not use a direct stream; use only as a fog to absorb heat or to protect structures.

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY
Eye and Skin contact, Ingestion

SYMPTOMS OF EXPOSURE
Eye Contact: Direct contact may cause moderate irritation.

Skin Contact: Direct contact may cause irritation.

Ingestion: Direct ingestion may cause diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None known.

REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN
 Not Applicable OSHA
 National Toxicology Program (NTP) International Agency for Research on Cancer (IARC)

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4. FIRST AID MEASURES

INHALATION

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

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.

INGESTION

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.

5. FIRE FIGHTING MEASURES

Flash Point and Method: >200°F (PMCC)

GENERAL HAZARD

This product is not combustible. If involved in a fire, however, it can release small quantities of carbon monoxide and nitrogen oxide.

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 may 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS

Use explosion proof equipment for general and/or ventilation to prevent build-up of vapors. In applications where the material will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

PERSONAL PROTECTION

- Respirator: In operations where the TLV for the components can be exceeded, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.
- Eye Protection: Wear safety goggles with side shields or goggles.
- Gloves: Wear natural rubber gloves.
- Clothing: Normal working clothing with long sleeves and pants
- Other: Eye wash; safety shower.

EXPOSURE CONTROLS

COMPONENT	OSHA PEL		ACGIH TLC	
	TWA	STEL	TWA	STEL
Water-Stable, Quat Functional, Reactive Siloxane	1.0 ppm (skin)	N/E	1.0 ppm (skin)	N/E

9. PHYSICAL AND CHEMICAL PROPERTIES

State.....Liquid
 Color.....Clear to light yellow
 Odor.....Almost odorless
 Boiling Point °C.....100 °C
 Weight per Gallon.....8.4 lbs/gal
 Specific Gravity @20 °C.....1.00±0.04
 Water Solubility.....Soluble
 pH.....4-6

10. STABILITY AND REACTIVITY

REACTIVITY
 Stable
 INCOMPATIBILITIES
 Acids, alkalis, strong oxidizing agents and anionic surfactants.
 CONDITIONS TO AVOID
 Avoid contact with heat.

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (Rat)> 50000mg/kg
 Dermal LD₅₀ (Rabbit).....> 100000mg/kg
 Inhalation LC₅₀.....No data
 Primary skin irritation.....Presumed to be a slight irritant
 Primary eye irritation.....Presumed to be a mild irritant

12. ECOLOGICAL INFORMATION

EC₅₀ (bacterium)No data
 LC₅₀ (rainbow trout).....No data
 BOD.....No data
 COD.....No data
 Heavy metals.....No data



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 Hazard Classification: Non-Hazardous, not regulated

15. REGULATORY INFORMATION
(Not meant to be all-inclusive, selected regulations represented)

OSHA HAZARD COMMUNICATION STANDARD (29 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 substances in this product are listed on the TSCA inventory. The components of Microbloc® DSP-91 are listed on the following Inventories: Canada (DSL), Europe (EINECS Registry No. 248-595-8), Australia (AICS).

HARMONIZED TARIFF SCHEDULE CODE (UNITED STATES 2005): 3402.12.5000 (Organic surface-active agents, cationic, other)

STATE REGULATIONS

None listed.

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				

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Prepared by: MSDS Coordinator

Reasons for Revision: Product update

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