

MATERIAL SAFETY DATA SHEET

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

Telephone numbers: (517) 546-4520
Manufacturer/Supplier: CHEM-TREND LP
P.O. BOX 860
HOWELL, MI 48844-0860
Product Name: Mono-Coat® RM-1943WRB

2. HAZARDS IDENTIFICATION

Physical State: Liquid
Appearance: Liquid
Color: Off-white
Odor: mild
Principle Routes of Exposure: Skin, eyes, respiratory tract, gastrointestinal tract

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Ethyl alcohol	64-17-5	0.1 - 3%
Release blend	-	0.1 - 3%
Water	7732-18-5	90 - 100%

4. FIRST AID MEASURES

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation: Move to fresh air. If symptoms persist, call a physician.
Ingestion: Do not induce vomiting without medical advice
Aggravated Medical Conditions: No information available.
Notes to physician: No information available.

Mono-Coat® RM-1943WRB

5. FIRE-FIGHTING MEASURES

Flash point:	None to boiling.
Flame extension test, inches (aerosol products only):	Not applicable, no information available.
Suitable extinguishing media:	Product may burn under severe ignition conditions. Use foam, dry chemical, or carbon dioxide (CO ₂)
Unusual hazards:	None reasonably foreseeable
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific methods:	Standard procedure for chemical fires.
Explosive properties:	No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:	
Small spills:	Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
Large spills:	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13)

7. HANDLING AND STORAGE

Handling:	
Technical measures/precautions	Ensure adequate ventilation.
Safe handling advice:	Handle in accordance with good industrial hygiene and safety practice. Normal measures for preventive fire protection Do not re-use empty containers for other materials.
Storage:	
Technical measures/storage conditions:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible products:	Strong oxidizing agents.
Other precautions:	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Ethyl alcohol	64-17-5	1000 ppm	1000ppmTWA 1900mg/m ³ TW A	-	-
Release blend	-	-	-	-	-

Mono-Coat® RM-1943WRB

Water	7732-18-5	-	-	-	-
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Engineering measures: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection:** Impervious gloves
- Eye protection:** Tightly fitting safety goggles or safety glasses with side-shields
- Skin and body protection:** Lightweight protective clothing. Usual safety precautions while handling the product will provide adequate protection against this potential effect.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Initial boiling point:** Approximately water.
- Specific gravity:** 1.00
- Bulk density (lb/gal):** 8.34
- Vapor pressure (mm Hg, 20 °C (68 °F)):** Approximately water.
- Vapor density (Air = 1.0)** Approximately water.
- Evaporation rate:** Approximately water.
- Volatiles content (%):** 90 - 100 %
- Water solubility:** Miscible
- pH of concentrate:** 6.0 - 7.0
- Melting point range:** Not applicable
- Flash point:** None to boiling.
- Flammability limits in air:** Not applicable

Mono-Coat® RM-1943WRB

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	None known
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Carbon oxides. Formaldehyde and silicon dioxide may be evolved at elevated temperatures.
Polymerization:	Hazardous polymerization does not occur.

Acute toxicity

Component Information:

Components	CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation (Vapor)
Ethyl alcohol	64-17-5	7060 mg/kg (rat)	-	-
Release blend	-	-	-	-
Water	7732-18-5	90 mL/kg (rat)	-	-

Acute effects

Product contains proprietary ingredients. Health hazards are listed below.

Skin contact:	May cause skin irritation
Eye contact:	Contact with eyes may cause irritation
Inhalation:	May cause irritation of respiratory tract
Ingestion:	Ingestion may cause gastrointestinal irritation.
Sensitization:	No information available.
Other effects:	No information available.

Chronic effects

Carcinogenic effects:

Components	CAS-No.	NTP:	IARC:	OSHA:
Ethyl alcohol	64-17-5	No	Listed	Yes
Release blend	-	No	No	No
Water	7732-18-5	No	No	No

Mutagenic effects:	No information available.
Reproductive toxicity:	No information available.
Target Organ Effects:	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
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Mono-Coat® RM-1943WRB

13. DISPOSAL CONSIDERATIONS

Method(s) of disposal: Dispose of in accordance with local, state, and federal regulations. This product does not fall under current EPA RCRA definitions of hazardous waste.

US EPA Waste number: None.

14. TRANSPORT INFORMATION

IMDG - Marine Pollutants This product does not contain marine pollutants as classified by the International Maritime Organization.

Emergency Response Guidebook (ERG) No: No information available

Mode of Transportation:	UN/NA ID No:	Proper shipping name:	Technical name	Hazard Class:		Packing group:
DOT - Non-Bulk	-	Not regulated	-	-		-
DOT - Bulk	-	Not regulated	-	-		-
Canadian TDG	-	Not regulated	-	-		-
ICAO/IATA	-	Not regulated	-	-		-
IMO/IMDG	-	Not regulated	-	-		-

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazardous Chemical: Yes

SARA Title III

CERCLA/SARA (304) Hazardous Substances and RQs

Components	CAS-No.	Weight %	RQ
Ethyl alcohol	64-17-5	0.1 - 3%	-
Release blend	-	0.1 - 3%	-
Water	7732-18-5	90 - 100%	-

SARA (302) Extremely Hazardous Substances and RQs

Components	CAS-No.	Weight %	TPQ
Ethyl alcohol	64-17-5	0.1 - 3%	-
Release blend	-	0.1 - 3%	-
Water	7732-18-5	90 - 100%	-

SARA (311/312) Classification:

Acute health hazard: Yes
Chronic health hazard: No
Fire: No
Sudden Release of Pressure: No
Reactive: No

SARA (313) Toxic Chemicals

Components	CAS-No.	Weight %	SARA (313) List
Ethyl alcohol	64-17-5	0.1 - 3%	Not Listed
Release blend	-	0.1 - 3%	Not Listed
Water	7732-18-5	90 - 100%	Not Listed

Mono-Coat® RM-1943WRB

International Inventories

Australia:	All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).
Canada:	This product complies with DSL
China:	This product complies with CLECS.
Europe:	This product complies with EINECS
Japan:	This product complies with ENCS/MITI.
Korea:	Listed on ECL.
New Zealand:	This product does not comply with NZIoC
Philippines:	This product complies with PICCS.
United States:	This product complies with TSCA.

16. OTHER INFORMATION

Hazardous Material Information System (USA):

Health: 1 Flammability: 0 Physical hazard: 0 Personal Protection code: B

National Fire Protection Association (USA):

Health: 1 Flammability: 0 Instability: 0 Special Hazards: None/Not available

All revisions are marked with one or more asterisks (*)

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