

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND 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® 472W

2. HAZARDS IDENTIFICATION

Physical State:	Liquid
Appearance:	Liquid
Color:	Off-white
Odor:	Mild
Principle routes of exposure:	Skin, eyes, respiratory tract, gastrointestinal tract
See Toxicological Information (section 11)	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Registry Number	Weight %
Ethyl alcohol	64-17-5	0.1 - 3%
Release blend	Proprietary	0.1 - 3%
Water	7732-18-5	90 - 100%

4. FIRST AID MEASURES

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

5. FIRE-FIGHTING MEASURES

Flash point:	None to boiling.
Flame extension test, inches (aerosol products only):	Not applicable or 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 firefighters:	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

Method(s) for cleanup:	
Small spills:	Soak up with inert absorbent material, then place in a properly labelled chemical waste container.
Large spills:	Dam up. Take up mechanically and collect in a suitable properly labelled chemical waste container for disposal.

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 of 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, materials incompatible with water.
Other precautions:	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS Registry Number	ACGIH TWA:	OSHA - TWA:	OSHA - Skin Notations	OSHA Z3 Mineral Dusts
Ethyl alcohol	64-17-5	1000 ppm	=1000ppmTW A =1900mg/m ³ T WA	-	-
Release blend	Proprietary	-	-	-	-
Water	7732-18-5	-	-	-	-

Engineering measures to reduce exposure: 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 in mm Hg at 20 °C (68 °F): Approximately water.

Vapor density (air = 1): Approximately water.

Evaporation rate: Approximately water.

Volatiles content (%): 90 - 100%

Solubility in water: Miscible

pH of concentrate: 6.0 - 7.0

Melting point/range: Not applicable

Flash point: None to boiling.

Flammability limits in air: Not applicable.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	None known
Materials to avoid:	Avoid strong oxidizers, materials incompatible with water.
Hazardous decomposition products:	Carbon oxides. Formaldehyde and silicon dioxide may be evolved at elevated temperatures. Hydrogen halides.
Polymerization:	Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Component Information:**

Ingredient	CAS Registry Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	64-17-5	7060 mg/kg (Rat)	-	-
Release blend	Proprietary	-	-	-
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:	May cause eye 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:**

Ingredient	CAS Registry Number	NTP:	IARC:	OSHA:
Ethyl alcohol	64-17-5	No	GROUP 1	Yes
Release blend	Proprietary	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.

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12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

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 code(s): None.

14. TRANSPORTATION 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

U.S. Regulations

OSHA Hazardous Chemical: Yes

Sara Title III

CERCLA/SARA (304) Hazardous Substances and RQs

Ingredient	CAS Registry Number	Weight %	RQ
Ethyl alcohol	64-17-5	0.1 - 3%	-
Release blend	Proprietary	0.1 - 3%	-
Water	7732-18-5	90 - 100%	-

SARA (302) Extremely Hazardous Substances and RQs

Ingredient	CAS Registry Number	Weight %	RQs
Ethyl alcohol	64-17-5	0.1 - 3%	-
Release blend	Proprietary	0.1 - 3%	-
Water	7732-18-5	90 - 100%	-

SARA (311/312) Classification:

15. REGULATORY INFORMATION

Acute health hazard: Yes
Chronic health hazard: No
Fire: No
Sudden release of pressure: No
Reactive: No

SARA (313) Toxic Chemicals

Ingredient	CAS Registry Number	Weight %	SARA (313) List
Ethyl alcohol	64-17-5	0.1 - 3%	Not Listed
Release blend	Proprietary	0.1 - 3%	Not Listed
Water	7732-18-5	90 - 100%	Not Listed

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 NEWZ
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

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

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Disclaimer

16. OTHER INFORMATION

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