

# MATERIAL SAFETY DATA SHEET

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

|                               |  |
|-------------------------------|--|
| <b>Telephone numbers:</b>     | (517) 546-4520   |
| <b>Manufacturer/Supplier:</b> | CHEM-TREND LP<br>P.O. BOX 860<br>HOWELL, MI 48844-0860 |
| <b>Product Name:</b>          | Mono-Coat® 1905RF                                      |

## 2. HAZARDS IDENTIFICATION

|  |   |
|--|---|
| <b>Physical State:</b>                     | Liquid  |
| <b>Appearance:</b>                         | Liquid  |
| <b>Color:</b>                              | Clear   |
| <b>Odor:</b>                               | Mild  |
| <b>Principle routes of exposure:</b>       | Skin, eyes, respiratory tract, gastrointestinal tract |
| See Toxicological Information (section 11) |   |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient    | CAS Registry Number | Weight %  |
|---------------|---------------------|-----------|
| Release blend | Proprietary         | 90 - 100% |

## 4. FIRST AID MEASURES

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

## 5. FIRE-FIGHTING MEASURES

|                     |      |
|---------------------|------|
| <b>Flash point:</b> | None |
|---------------------|------|

**5. FIRE-FIGHTING MEASURES**

|  |  |
|--|--|
| <b>Flame extension test, inches (aerosol products only):</b> | Not applicable or no information available.  |
| <b>Suitable extinguishing media:</b>                         | Product may burn under severe ignition conditions. Use foam, dry chemical, or carbon dioxide (CO2)                                     |
| <b>Unusual hazards:</b>                                      | None reasonably foreseeable  |
| <b>Special protective equipment for firefighters:</b>        | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <b>Specific methods:</b>                                     | Standard procedure for chemical fires.   |
| <b>Explosive properties:</b>                                 | No information available.  |

**6. ACCIDENTAL RELEASE MEASURES**

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

**7. HANDLING AND STORAGE**

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

| Ingredient    | CAS Registry Number | ACGIH TWA: | OSHA - TWA: | OSHA - Skin Notations | OSHA Z3 Mineral Dusts |
|---------------|---------------------|------------|-------------|-----------------------|-----------------------|
| Release blend | Proprietary         | -          | -           | -                     | -                     |

|   |  |
|---|--|
| <b>Engineering measures to reduce exposure:</b> | Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. |
|---|--|

**Personal Protective Equipment**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |                           |
|--|---------------------------|
| <b>Initial boiling point:</b>                        | 350°F, 177°C              |
| <b>Specific gravity:</b>                             | 0.97                      |
| <b>Bulk density (lb/gal):</b>                        | 8.09                      |
| <b>Vapor pressure<br/>in mm Hg at 20 °C (68 °F):</b> | No information available. |
| <b>Vapor density (air = 1):</b>                      | <1                        |
| <b>Evaporation rate:</b>                             | <1 (water = 1)            |
| <b>Volatiles content (%):</b>                        | Negligible.               |
| <b>Solubility in water:</b>                          | Insoluble                 |
| <b>pH of concentrate:</b>                            | Not applicable.           |
| <b>Melting point/range:</b>                          | Not applicable            |
| <b>Flash point:</b>                                  | None                      |
| <b>Flammability limits in air:</b>                   | Not applicable.           |

## **Mono-Coat® 1905RF**

### 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable.  |
| <b>Conditions to avoid:</b>              | None known   |
| <b>Materials to avoid:</b>               | Strong oxidising agents  |
| <b>Hazardous decomposition products:</b> | Carbon oxides. Formaldehyde and silicon dioxide may be evolved at elevated temperatures. |
| <b>Polymerization:</b>                   | Hazardous polymerisation does not occur.   |

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Component Information:

| Ingredient    | CAS Registry Number | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|---------------------|-----------|-------------|-----------------|
| Release blend | Proprietary         | -         | -           | -               |

#### Acute effects

**Product contains proprietary ingredients. Health hazards are listed below.**

|                       |   |
|-----------------------|---|
| <b>Skin contact:</b>  | May cause skin irritation                       |
| <b>Eye contact:</b>   | May cause eye irritation.                       |
| <b>Inhalation:</b>    | May cause irritation of respiratory tract       |
| <b>Ingestion:</b>     | Ingestion may cause gastrointestinal irritation |
| <b>Sensitization:</b> | No information available.                       |
| <b>Other effects:</b> | No information available.                       |

#### Chronic effects

##### Carcinogenic effects:

| Ingredient    | CAS Registry Number | NTP: | IARC: | OSHA: |
|---------------|---------------------|------|-------|-------|
| Release blend | Proprietary         | No   | No    | No    |

|                               |                           |
|-------------------------------|---------------------------|
| <b>Mutagenic effects:</b>     | No information available. |
| <b>Reproductive toxicity:</b> | No information available. |
| <b>Target organ effects:</b>  | No information available. |

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

## **Mono-Coat® 1905RF**

### 13. DISPOSAL CONSIDERATIONS

**Method(s) of disposal:** Dispose of in accordance with local, state, and federal regulations.

**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.

| <b>Mode of Transportation:</b> | <b>UN/NA ID No:</b> | <b>Proper shipping name:</b> | <b>Technical name:</b> | <b>Hazard Class:</b> |  | <b>Packing group:</b> |
|--------------------------------|---------------------|------------------------------|------------------------|----------------------|--|-----------------------|
| 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: No

**Sara Title III**

CERCLA/SARA (304) Hazardous Substances and RQs

| Ingredient    | CAS Registry Number | Weight %  | RQ |
|---------------|---------------------|-----------|----|
| Release blend | Proprietary         | 90 - 100% | -  |

SARA (302) Extremely Hazardous Substances and RQs

| Ingredient    | CAS Registry Number | Weight %  | RQs |
|---------------|---------------------|-----------|-----|
| Release blend | Proprietary         | 90 - 100% | -   |

SARA (311/312) Classification:

Acute health hazard: No

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 |
|---------------|---------------------|-----------|-----------------|
| Release blend | Proprietary         | 90 - 100% | Not Listed      |

**International Inventories**

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

**Prepared by:** Karen M. Kuroda

**Revision number:** 1  
**Revision date:** 10/01/2009  
**Review date:** 10/01/2009  
**Print date:** 10/01/2009

***Disclaimer***

*Information presented herein has been compiled from information provided to us by our suppliers and other sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or the use of any product in violation of any patent or in violation of any law or regulation. It is the users' responsibility to determine the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.*