

MATERIAL SAFETY DATA SHEET



MADISON CHEMICAL INDUSTRIES INC.

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EMERGENCY/SERVICE

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SECTION I -- PRODUCT INFORMATION

Product Name: AcrylaThane 5200
Component: B
Product Code: 02-Q500 to Q799
Product Description: 1:4, Aliphatic, Acrylic, High Solids, Spray
Supplier: **Madison Chemical Industries Inc.**, 490 McGeachie Drive, Milton, Ontario, Canada L9T 3Y5 Phone: (905) 878-8863
Product Use: Corrosion Coating

SECTION II -- HAZARDOUS INGREDIENTS

| Hazardous Ingredients | CAS No. | % | LD ₅₀ (oral-rat) | LD ₅₀ (derm-rabbit) |
|---------------------------------------|------------|---------|-----------------------------|--------------------------------|
| Propylene Glycol Methyl Ether Acetate | 108-65-6 | 3-7 | 8530 mg/kg | 5000mg/kg |
| Hydrophobic Additive | 64742-94-5 | 3-7 | 3 000 mg/kg | 3 000 mg/kg |
| Ethyl 3-Ethoxypropionate | 763-69-9 | 1-5 | 5000 mg/kg | 10, 000 mg/kg (Skin) |
| Methyl n-Amyl Ketone | 110-43-0 | 7-13 | 1670 mg/kg | 12600 mg/kg |
| Stoddard Solvent | 8052-41-3 | 1-5 | Not available | Not available |
| Ethylbenzene | 100-41-4 | 1-5 | 3500 mg/kg | Not available |
| Solvent Naptha | 64742-89-8 | 0.5-1.5 | 5000 mg/kg | 3160 mg/kg |
| Xylene* | 1330-20-7 | 1-5 | 4300 mg/kg | 1700 mg/kg |
| Chromium Oxide* | 1308-38-9 | 5-10 | 10 000 mg/kg | Not available |
| *Carbon Black | 133-86-4 | 5-10 | >10 000 mg/kg | Not available |

*May or may not exist in the formulation

SECTION III -- PHYSICAL DATA

| | | | |
|---------------------------------------|------------------------------------|------------------------------|---------------------------------|
| Physical State: | Liquid | Odour and Appearance: | Solvent Odour, Pigmented Liquid |
| Odour Threshold: | 0.18-0.20 ppm (Methyl Amyl Ketone) | Specific Gravity: | 1.0-1.4 @ 20 °C |
| Vapour Pressure: | Not available | Vapour Density: | Not available |
| Evaporation Rate: | Not available | Boiling Point: | Not available |
| Freezing Point: | Not available | pH: | Not applicable |
| Coeff. Oil/Water Distribution: | Not available | | |

SECTION IV -- FIRE OR EXPLOSION HAZARD

| | | | |
|--|---|--|---|
| Flammable Conditions: | | Extinguishing Media: Carbon Dioxide, Dry Chemical, Water Fog | |
| Avoid Sparks and open flames | | | |
| Provide positive ventilation | | | |
| In case of fire - Use Self-Contained Breathing Apparatus | | | |
| Decomposition and Combustion products may be toxic | | | |
| Flash Point: | 35 (°C) / 95 (°F)(SetaFlash Closed Cup) | Flammability Limits: | LEL: Not applicable UEL - Not applicable |
| Sensitivity - Impact: | None | Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides | |
| - Static: | Sensitive. Airless spray equipment should be grounded | | |
| Autoignition Temperature: | Not available | | |

SECTION V -- REACTIVITY DATA

| | | | |
|-----------------------------|---------------------------------------|--|---|
| Chemical Stability: | Stable, polymerization will not occur | Incompatible Materials: | Strong oxidizing agents, Potassium tert-butoxide, hydrazine, calcium hypochlorite, performic acid, bromine pentafluoride. |
| Reactive Conditions: | Elevated temperatures, Incompatibles | Hazardous Decomposition Products: | May form explosive peroxides on prolonged storage in contact with air. |

SECTION VI -- TOXICOLOGICAL PROPERTIES

Effects of over-exposure: **Eye Contact:** irritating; redness, temporary blurred vision; no permanent injury anticipated. **Skin Contact:** may cause skin irritation on prolonged or repeated contact. **Inhalation:** inhalation of vapors may cause irritation to nose, throat, and/or lungs. May cause allergic reactions.

Ingestion: nausea, vomiting, diarrhea; irritation of mouth, throat, etc.

Exposure Limits: Xylene: 100 ppm (TWAEV) **Sensitization:** Possible through repeated over-exposure

Methyl Amyl Ketone: 50 ppm (TWAEV)

Carcinogenicity: Repeated and prolonged, direct skin exposure may cause skin cancer. May contain carbon black which may cause cumulative heart and lung damage.

Reproductive Toxicity: None known

May contain Chromium III which is listed in group 3 by IARC

Teratogenicity: None known

Mutagenicity: None known

Synergistic Products: None known

SECTION VII -- PREVENTATIVE MEASURES

Respiratory: With this product, there is a low likelihood that, when used in a well ventilated work area, the concentration of hazardous substances will exceed applicable threshold. In such cases, a NIOSH-approved half mask (nose and mouth) cartridge respirator equipped with organic vapour cartridge (OV) and particulate filters (N95) is acceptable. In poorly ventilated areas, or where a sudden release of product may occur (e.g. significant spillage), use an approved NIOSH-MSHA positive pressure, air supply respirator equipped with a full face piece, or an air-supplied hood. In all cases, follow respirator manufacturer's directions for use and establish a system of periodic maintenance (ref. OSHA guideline).

Ventilation: In confined areas, positive (forced air) ventilation is recommended. In other indoor applications, passive ventilation (opening of doors and windows) is recommended.

Protective Clothing: Dress as when working with oil-based paint. Clothing should cover all exposed areas of the body. The use of solvent resistant gloves and eye goggles (or full face shield) is recommended.

Handling and Storage: Keep material away from extreme heat, sparks and open flames. Store in tightly closed containers and protect from moisture and foreign materials. Do not reseal contaminated containers. Ideal storage temperature 10 - 27°C (50 - 80°F). If containers are bulging, exercise caution when opening.

Spill Procedure: Remove sources of ignition such as heat, sparks and flames. Dyke area to contain spill. Recover free liquid with explosion-proof pumps. Cover the spill with an absorbent material such as sand or seeping compound. Put material into closable containers. Flush contaminated areas with water.

Waste Disposal: Dispose in accordance with Federal, Provincial and local regulations

Shipping Information: Coating Solution
Class 3, UN 1139, III

WHMIS Classification: B2, D2A

HMIS Information: **Health:** 2
Flammability: 3
Reactivity: 1

SECTION VIII -- FIRST AID

Skin: Wash thoroughly with soap and water. Remove contaminated clothing.

Eyes: Immediately flush with water for at least 15 minutes.

Ingestion: Do not induce vomiting. Guard against aspiration into lungs by keeping victim's head below his/her hips if vomiting does occur. If conscious, give 1 or 2 glasses of water to dilute product.

Inhalation: If nauseous or lightheaded, remove to fresh air, give oxygen if breathing is difficult. If breathing stopped, begin artificial respiration.

In all cases get medical attention.

SECTION IX -- PREPARATION OF MSDS

Date Prepared: October 18, 2010

Prepared by: Research and Development Department
Madison Chemical Industries Inc.

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