
1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SCS Rust Inhibitor

MSDS Date : 04/30/04

COMPANY IDENTIFICATION

Solar Coating Systems

P.O. Box 794

Maple Valley, WA 98038

EMERGENCY TELEPHONE NUMBERS

HEALTH EMERGENCY: 281-350-9800
SPILL EMERGENCY: 281-350-9800
CHEMTREC: 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS.

<u>No</u>		<u>CAS REG NO</u>	<u>WEIGHT (%)</u>
1	Acrylic polymer	Not Hazardous	<25%
2	Talc	14807-96-6	<20%
3	Iron Oxide		<10%
4	Zinc Oxide	7779-90-0	<10%
5	Silica Gel	63231-67-4	<10%
6	Dibutyl Phtahalte	84-74-2	<5%
7	Water	7732-18-5	<60%
8	Ethylene Glycol Monobutyl Ether	111-76-2	<5%
9	Ammonium Hydroxide	1336-21-6	<1%

See Section 8, Exposure Controls / Personal Protection

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure

Inhalation
Skin Contact
Eye Contact
Ingestion

Inhalation

Inhalation of vapor or mist can cause the following:
- Headache - nausea - irritation of nose, throat, and lungs

Eye Contact

Direct contact with material can cause the following:
- Slight irritation

Skin Contact

Prolonged or repeated skin contact can cause the following:
- Slight skin irritation

4. FIRST AID MEASURES

Inhalation

Move subject to fresh air.

Eye Contact

Flush eyes with a large amount of water for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact

Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion

If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point	Noncombustible
Auto-ignition Temperature	Not Applicable
Lower Explosive Limit	Not Applicable
Upper Explosive Limit	Not Applicable

Unusual Hazards

Material can splatter above 100°C/212°F. Polymer film can burn.

Extinguishing Agents

Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

As in any fire wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection

Appropriate protective equipment must be worn when handling a spill of this material. See Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION for recommendations. If exposed to material during clean-up operations, see Section 4, FIRST AID MEASURES for actions to follow.

Procedures

Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

Storage Conditions

Keep from freezing; material may coagulate. The minimum recommended storage temperature for this material is 1 °C/34 °F. The maximum recommended storage temperature for this material is 49 °C/120 °F.

Handling Procedures

Mists can form when material is sprayed. See Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION for types of ventilation required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Information

No		CAS REG NO	WEIGHT (%)
1	Acrylic polymer	Not Hazardous	<25%
2	Talc	14807-96-6	<20%
3	Iron Oxide		<10%
4	Zinc Oxide	7779-90-0	<10%
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Comp. No.	Units	OSHA			ACGIH	
		TWA	PEL	STEL	TWA	STEL
1		None		None	None	None
2	mg/m ³	15		None	10b	None
3	mg/m ³	5a		None	10b	None
4	mg/m ³	5a		None	10b	None
5	mg/m ³	5a		None	10b	None
6	Ppm	None		35	25	35
7		None		None	None	None
8	mg/m ³	None		None	None	None
9	mg/m ³	None		None	None	None

Respiratory Protection

None required if airborne concentrations are maintained below the TWA/TLV's listed in Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION. For airborne concentrations up to 10 times the TWA/TLV's listed in Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION wear a MSHA/NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with organic vapor cartridges.

Eye Protection

Use chemical splash goggles (ANSI Z87.1 or approved equivalent).

Hand Protection

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:
- Neoprene

Engineering Controls (Ventilation)

Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (30 m/min.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Green
State	Liquid
Odor Characteristic	Ammonia odor
pH	9.0-9.8
Viscosity	10,000 CPS Minimum
Specific Gravity (Water = 1)	1.3-1.5
Vapor Density (Air = 1)	< 1 Water
Vapor Pressure	17 mm Hg @20°C/68°F Water
Melting Point	0°C/32°F Water
Boiling Point	100°C/212°F Water
Solubility in Water	Dilutable
Percent Volatility	30-40 % Water
Evaporation Rate (Bac = 1)	< 1 Water

See Section 5, Fire Fighting Measures

10. STABILITY AND REACTIVITY

Instability

This material is considered stable. However, avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition Products

Thermal decomposition may yield acrylic monomers.

Hazardous Polymerization

Product will not undergo polymerization.

Incompatibility

There are no known materials, which are incompatible with this product.

11. TOXICOLOGICAL INFORMATION

Acute Data

No Toxicity data are available for this material

The information shown in Section 3, HAZARDS IDENTIFICATION is based on the toxicity profiles for similar materials or components present in this material.

12. ECOLOGICAL INFORMATION

No Applicable Data

13. DISPOSAL CONSIDERATIONS**Procedure**

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

US DOT Hazard Class NONREGULATED

15. REGULATORY INFORMATION**Workplace Classification**

This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

This product is a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE 3: Section 311/312 Categorizations (40CFR 370)

This product is a hazardous chemical under 29CFR 1910.1200, and is categorized as an immediate and delayed health hazard

SARA TITLE 3: Section 313 Information (40CFR 372)

This product contains Ethylene Glycol which is listed in Section 313.

CERCLA Information (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Waste Classification

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

United States

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

SCS Coatings Hazard Rating		Scale
Toxicity	1	4=EXTREME
Fire	0	3=HIGH
Reactivity	0	2=MODERATE
Special	-	1=SLIGHT
		0=INSIGNIFICANT

Ratings are based on Solar Guard Coatings guidelines,
and are intended for internal use.

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists
OSHA = Occupational Safety and Health Administration
TLV = Threshold Limit Value
PEL = Permissible Exposure Limit
TWA = Time Weighted Average
STEL = Short-Term Exposure Limit
Bac = Butyl acetate

The information contained herein relates only to the specific material identified. Solar Guard Coatings believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Everest Coatings urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.