



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

RINSEABLE PRIMER RCS-40

Revision date: 05/27/2004

Supplier LaPolla Industries
15402 Vantage Parkway E., Suite 322
Houston, TX 77032

For non-emergency information contact: 281-219-4100

Emergency telephone number

Spill Emergency 281-219-4100
Health Emergency 281-219-4100
Chemtrec 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No. | Concentration |
|-------------------------------------|--------------|---------------|
| Inorganic salts | Trade Secret | 9.0 - 11.0 % |
| Anionic/nonionic surfactant mixture | Trade Secret | 1.0 - 3.0 % |
| Water | 7732-18-5 | 87.0 - 89.0 % |

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance

Form liquid clear

Colour light pink

Odour Mild odor

| | |
|-----------------------|---|
| Hazard Summary | WARNING! CAUSES SEVERE EYE IRRITATION. CAUSES SEVERE RESPIRATORY TRACT IRRITATION. CAUSES SEVERE DIGESTIVE TRACT IRRITATION. CAUSES SKIN IRRITATION. |
|-----------------------|---|

Potential Health Effects

Primary Routes of Entry: Inhalation
Eye contact
Skin contact

Eyes: Material can cause the following:
severe irritation
permanent eye injury

Skin: Material can cause the following:
slight irritation

Ingestion: May be harmful if swallowed.
Material can cause the following:
severe irritation of the mouth, throat, and digestive tract

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

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Get prompt medical attention.

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

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Get prompt medical attention.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. IMMEDIATELY see a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway clear.

5. FIRE-FIGHTING MEASURES

Flash point Noncombustible

Lower explosion limit Not Applicable

Upper explosion limit Not Applicable

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards during fire fighting: Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus.

Further information: Move containers promptly out of fire zone. If removal is impossible, cool containers with water spray.

Remain upwind.
Avoid breathing smoke.
Contain run-off.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

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.

Environmental precautions

WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

NOTE: Spills on porous surfaces can contaminate groundwater.

Methods for cleaning up

Evacuate personnel to safe areas.

Ventilate the area.

Floor may be slippery; use care to avoid falling.

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Avoid breathing vapor.

Avoid all contact.

7. HANDLING AND STORAGE

Handling

Vapors can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/Personal Protection, for types of ventilation required. Wash after handling and shower at end of work period.

Storage

Storage conditions: Avoid temperature extremes during storage; ambient temperature preferred.

Store away from excessive heat (e.g. steam pipes, radiators), from sources of ignition and from reactive materials. Store out of direct sunlight in a cool place. Keep containers tightly closed in a cool, well-ventilated place.

Further information:

CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after container is emptied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)

Exposure limits are listed below, if they exist.

Eye protection: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Hand protection: Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): nitrile rubber Butyl rubber Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. Gloves should be decontaminated before discarding.

Skin and body protection: Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Respiratory protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Engineering measures: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--------------------------------|--|
| Form | liquid clear |
| Colour | light pink |
| Odour | Mild odor |
| pH | 13.0 - 13.5 |
| Boiling point/range | 100 °C (212.00 °F) Water |
| Flash point | Noncombustible |
| Lower explosion limit | Not Applicable |
| Upper explosion limit | Not Applicable |
| Vapour pressure | 22.6666 mmHg at 20 °C (68.00 °F) Water |
| Relative vapour density | <1.0Water |
| Water solubility | completely soluble |
| Relative density | No data available |
| Viscosity, dynamic | No data available |
| Evaporation rate | <1.00 Water |
| Percent volatility | 87 - 89 % |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Hazardous reactions | This material is considered stable. |
| Materials to avoid | Avoid contact with the following: strong oxidizing agents strong acids and strong bases |
| Hazardous decomposition products | There are no known hazardous decomposition products for this material., |
| polymerization | Product will not undergo hazardous polymerization. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|------------------------------|
| Skin irritation | rabbit slight irritation |
| Component: <u>Anionic/nonionic surfactant mixture</u> | |
| Acute oral toxicity | LD50 rat 700 mg/kg |
| Component: <u>Anionic/nonionic surfactant mixture</u> | |
| Acute inhalation toxicity | LC50 rat > 21.5 mg/l |
| Component: <u>Anionic/nonionic surfactant mixture</u> | |
| Acute dermal toxicity | LD50 rabbit 12,000 mg/kg |
| Component: <u>Anionic/nonionic surfactant mixture</u> | |
| Eye irritation | rabbit Severe eye irritation |

12. ECOLOGICAL INFORMATION

| | |
|----------------------------|---|
| Ecotoxicity effects | |
| Toxicity to fish | LC50 Rainbow trout (Oncorhynchus mykiss) 96 h > 1,000 mg/l |
| Toxicity to fish | NOEC Rainbow trout (Oncorhynchus mykiss) 96 h 500 mg/l |
| Toxicity to algae | EC50 Algae (Selenastrum capricornutum) 96 h > 1,000 mg/l based on cell density, growth rate and biomass |
| Toxicity to algae | NOEC Algae (Selenastrum capricornutum) 96 h 1,000 mg/l based on cell density and growth rate |
| Toxicity to algae | NOEC Algae (Selenastrum capricornutum) 96 h 250 mg/l based on biomass |

Toxicity to aquatic invertebrates EC50 Daphnia magna 48 h
> 1,000 mg/l

Toxicity to aquatic invertebrates NOEC Daphnia magna 48 h
500 mg/l

13. DISPOSAL CONSIDERATIONS

Environmental precautions: WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER.

NOTE: Spills on porous surfaces can contaminate groundwater.

Disposal

Waste Classification: 40 CFR 261.20 - .24 - Characteristic Waste D002

When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of corrosivity.

Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations. (See 40 CFR 268)

Contaminated packaging: Empty containers should be taken for local recycling or waste disposal.

14. TRANSPORT INFORMATION

DOT

Not regulated for transport

IMO/IMDG

Not regulated (Not dangerous for transport)

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations

15. REGULATORY INFORMATION

Workplace Classification

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

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

SARA TITLE III: Section 311/312 Categorizations (40CFR370): Acute Health Hazard

SARA TITLE III: Section 313 Information (40CFR372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR302.4)

This material is regulated under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and the Superfund Amendments and Reauthorization Act (SARA) Title III

Section 304. This material is or contains chemical(s) listed in 40 CFR Table 302.4 or nondesignated RCRA ICR substance(s). (Nondesignated ICR substances apply to materials that will not be reused.) The Reportable Quantity(s) (RQ) are listed below. Releases in excess of its reportable quantity must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations.

D002, 100lbs.

US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Hazard Rating

| | Health | Fire | Reactivity |
|-------------|--------|------|------------|
| HMIS | 3 | 0 | 0 |

Legend

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| BAC | Butyl acetate |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| STEL | Short Term Exposure Limit (STEL): |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average (TWA): |
| | Bar denotes a revision from prior MSDS. |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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