

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** CRC Seal Coat® Urethane Coating - Red

**Product Number (s):** 02044, 18410

Manufactured By: CRC Industries, Inc. (215) 674-4300  
885 Louis Drive, Warminster, PA 18974  
24-Hour Emergency Information: CHEMTREC (800) 424-9300

## Section 2: Composition/Information on Ingredients

| Component                | CAS<br>NUMBER | ACGIH<br>TLV | OSHA<br>PEL | OTHER<br>LIMITS | %     |
|--------------------------|---------------|--------------|-------------|-----------------|-------|
| ASTM Type 1 Polyurethane | Mixture       | NE           | NE          | NE              | 10-15 |
| Mineral spirits          | 8052-41-3     | 100 ppm      | 100 ppm     | NE              | 10-15 |
| Acetone                  | 67-64-1       | 500 ppm      | 750 ppm     | 250 ppm         | 25-30 |
| Isohexanes               | various       | NE           | NE          | NE              | 10-15 |
| n-Hexane                 | 110-54-3      | 50 ppm       | 50 ppm      | NE              | 1     |
| 1,2,4-Trimethylbenzene   | 95-63-6       | NE           | NE          | 25 ppm          | < 1   |
| Iron Oxide               | 1309-37-1     | 5 mg/m3      | 10 mg/m3    | NE              | 4-5   |
| Propane                  | 74-98-6       | 2500 ppm     | 1000 ppm    | 1000 ppm        | 15-20 |
| n-Butane                 | 106-97-8      | 800 ppm      | 800 ppm     | 800 ppm         | 10-15 |

## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Red-brown liquid, pleasant odor, faintly aromatic.

Danger: Extremely Flammable. Harmful or Fatal if Swallowed. Vapor Harmful.

### Potential Health Effects:

Inhalation: Irritation of the respiratory tract, headaches, dizziness and central nervous system depression.  
Eyes: Irritation, burning  
Skin: Irritation  
Ingestion: Gastrointestinal discomfort

Carcinogenicity: OSHA: No IARC: No NTP: No  
Chronic Overexposure: Dermatitis. May have liver and kidney effects.  
Medical Conditions Aggravated by Exposure: Breathing problems.

## Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

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#### Section 5: Fire-Fighting Measures

Flashpoint: <20°F      Method: TCC      LEL: 1.8      UEL: 9.5  
Extinguishing Media: CO<sub>2</sub>, dry chemical, foam  
Hazardous Combustion Products: Thermal - CO<sub>2</sub> and carbon monoxide  
Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

|       |         |   |               |   |             |   |        |
|-------|---------|---|---------------|---|-------------|---|--------|
| NFPA: | Health: | 2 | Flammability: | 4 | Reactivity: | 0 |        |
| HMIS: | Health: | 2 | Flammability: | 4 | Reactivity: | 0 | PPE: B |

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#### Section 6: Accidental Release Measures

Spill/Leak Procedures: Dike area to contain spill. Area should be ventilated and absorbent used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

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#### Section 7: Handling and Storage

Handling Procedures: Use with proper ventilation. Do not use near open flames or sources of ignition. Wash hands after use.

Storage Procedures: Store in a cool, dry area. Keep away from children.

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#### Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide local ventilation adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

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#### Section 9: Physical & Chemical Properties

|                   |        |                    |   |
|-------------------|--------|--------------------|---|
| Physical State:   | Liquid | Appearance & Odor: | Red-brown liquid, pleasant odor, faintly aromatic |
| Specific Gravity: | 0.845  | Boiling Point:     | 141°F   |

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|                               |      |                         |                     |
|-------------------------------|------|-------------------------|---------------------|
| Freezing Point:               | ND   | Vapor Pressure:         | ND                  |
| Evaporation Rate:             | NA   | Vapor Density (air = 1) | > air               |
| pH:                           | NA   | Solubility:             | Negligible in water |
| Volatile Organic Compounds:%: | 61.5 | g/L: 464                | lbs./gal: 3.87      |

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**Section 10: Stability and Reactivity**

|                                   |   |                           |    |
|-----------------------------------|---|---------------------------|----|
| Stability:                        | Stable                                    | Hazardous Polymerization: | No |
| Chemical Incompatibilities:       | Strong oxidizers.                         |                           |    |
| Conditions to Avoid:              | Sources of ignition, temperature extremes |                           |    |
| Hazardous Decomposition Products: | None                                      |                           |    |

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**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

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**Section 12: Ecological Information**

|                     |                                       |
|---------------------|---------------------------------------|
| Ecotoxicity:        | No data available.                    |
| Environmental Fate: | No data available for biodegradation. |

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**Section 13: Disposal Considerations**

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

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**Section 14: Transportation Information**

|                     |                    |            |    |
|---------------------|--------------------|------------|----|
| Shipping Name:      | Consumer Commodity |            |    |
| Hazard Class:       | ORM-D              | UN Number: | NA |
| Label:              | NA                 | Placard:   | NA |
| Special Provisions: | NA                 |            |    |
| Packing Group:      | NA                 |            |    |

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**Section 15: Regulatory Information**

|                                 |  |                                  |  |
|---------------------------------|--|----------------------------------|--|
| TSCA:                           | All components are either listed under TSCA or are exempt.   |                                  |  |
| SARA Title III:                 | Section 311/312:   | Acute, Pressure                  |  |
|                                 | Section 313*:  | n-Hexane, 1,2,4-Trimethylbenzene |  |
| CERCLA/Superfund (RQ):          | Mixture  |                                  |  |
| Extremely Hazardous Substances: | No   |                                  |  |
| California Prop 65:             | This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.<br>(Benzene impurities) |                                  |  |

\* See section 2 for percentage

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#### Section 16: Additional Information

Prepared By: Michelle Milburn Date: March 26, 2004

Technical Information: (800) 521-3168 CRC #: 507A

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service

ppm: Parts per Million

TCC: Tag Closed Cup

LEL: Lower Explosive Limit

UEL: Upper Explosive Limit

PPE: Personal Protection Equipment

COC: Cleveland Closed Cup

NA: Not Applicable

ND: Not Determined

NE: Not Established

g/L: grams per Liter

lbs./gal: pounds per gallon

RQ: Reportable Quantity