

# MATERIAL SAFETY DATA SHEET

## KonCote Bond

### PRODUCT IDENTIFICATION

#### KonCote Bond

KonCote Products, Inc.  
1111 Highway 25 N.  
Buffalo, MN 55313

Emergency Telephone: Chemtrec 800-424-9300

MSDS Date: 06/21/03

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### COMPONENT INFORMATION

| <u>No.</u>                      | <u>CAS REG NO.</u> | <u>AMT.(%)</u> |
|---------------------------------|--------------------|----------------|
| 1. Acrylic Polymer              | Not Hazardous      | 46-48          |
| 2. Individual residual monomers | Not Required       | <0.1           |
| 3. Water                        | 7732-18-5          | 52-54          |

### EMERGENCY RESPONSE INFORMATION

#### FIRST AID PROCEDURES

|                     |  |
|---------------------|--|
| <u>Inhalation</u>   | Move subject to fresh air.   |
| <u>Eye Contact</u>  | Flush eyes with a large amount of water for at least 15 minutes.<br>Consult a physician if irritation persists.                |
| <u>Skin Contact</u> | Wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.                           |
| <u>Ingestion</u>    | If swallowed, give 2 glasses of water to drink. Consult a physician.<br>Never give anything by mouth to an unconscious person. |

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### FIRE FIGHTING INFORMATION

|                                      |  |
|--------------------------------------|--|
| <u>Unusual Hazards</u>               | Material can splatter above 100°C/212°F. Polymer film can burn.  |
| <u>Extinguishing Agents</u>          | Use extinguishing media appropriate for surrounding fire.  |
| <u>Personal Protective Equipment</u> | Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent), and full protective gear. |

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**SPILL OR LEAK HANDLING INFORMATION**

Personal Protection Appropriate protective equipment must be worn when handling a spill of this material. See The PERSONAL PROTECTION MEASURES Section for recommendations. If exposed to material during clean-up operations, see the FIRST AID PROCEDURES Section 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.

**HAZARD INFORMATION**

**HEALTH EFFECTS FROM OVEREXPOSURE**

Primary Routes of Exposure Inhalation  
Skin Contact

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

**FIRE AND EXPLOSIVE PROPERTIES**

Flash Point No combustive  
Auto-ignition temperature Not Applicable  
Lower explosive limit Not Applicable  
Upper explosive limit Not Applicable

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### **REACTIVITY INFORMATION**

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

Hazardous Decomposition Product Thermal decomposition may yield acrylic monomers.

Hazardous Polymerizaion Product will not undergo polymerization.

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

### **ACCIDENT PREVENTION INFORMATION**

#### **COMPONENT EXPOSURE INFORMATION**

##### Component Information

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##### Exposure Limit Information

| Component No. | ROHM AND HAAS |      | OSHA |      | ACGIH |      |
|---------------|---------------|------|------|------|-------|------|
|               | Units         | TWA  | STEL | TWA  | STEL  | STEL |
| 1             |               | None | None | None | None  | None |
| 2             |               | a    | a    | a    | a     | a    |
| 3             |               | None | None | None | None  | None |

a = Not Required

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### **PERSONAL PROTECTION MEASURES**

Respiratory Protection            None required under normal operating conditions. When mist occurs during spraying operations, wear a MAHA/NIOSH-approved (or equivalent) disposable half-mask dust/mist respirator.

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

### **FACILITY CONTROL MEASURES**

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.

### **STORAGE AND HANDLING INFORMATION**

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

Handling Procedures            Monomer vapors can be evolved when material is heated during processing operations. See FACILITY CONTROL MEASURES Section for types of ventilation required.

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## **SUPPLEMENTAL INFORMATION**

### **TYPICAL PHYSICAL PROPERTIES**

|                              |                            |
|------------------------------|----------------------------|
| Appearance                   | Milky                      |
| Color                        | White                      |
| State                        | Liquid                     |
| Odor Characteristic          | Acrylic odor               |
| pH                           | 9.5 – 10.5                 |
| Viscosity                    | 60 CPS Maximum             |
| Specific Gravity (Water = 1) | 1.0 – 1.2                  |
| 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           | 52-54 % Water              |
| Evaporation Rate (BAc = 1)   | < 1 Water                  |

### **TOXICITY INFORMATION**

#### **Acute Data**

The information shown in the HEALTH EFFECTS FROM OVEREXPOSURE Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product. Typical data are:

Oral LD50 – rat: >5000mg/kg

Dermal LD50 – rabbit: >5000mg/kg

Skin irritation – rabbit: practically non-irritating

Eye irritation – rabbit: inconsequential irritation

### **WASTE DISPOSAL**

#### **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.

## **REGULATORY INFORMATION**

### **WORKPLACE CLASSIFICATIONS**

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

This product is not a “controlled product” under the Canadian Workplace Hazardous Materials Information System (WHMIS).

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**TRANSPORTATION CLASSIFICATIONS**

US DOT Hazard Class .....Non Regulated

**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)**

Section 311/312 Categorizations (40CFR 370)

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Section 313 Information (40CFR 372)

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

**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, Compensations, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**RCRA INFORMATION**

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).

**CHEMICAL CONTROL LAW STATUS**

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

**STATE RIGHT-TO-KNOW LAWS**

Any material listed as "Not Hazardous" in the CAS REG NO column of the COMPONENT INFORMATION Section of this MSDS is trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

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**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 Exposure

STEL = Short-Term Exposure Limit

BAC = Butyl acetate

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