

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BATES HTR-4 – Hi-Temp Release Coating

DATE PREPARED: September 1, 2011

1. IDENTIFICATION

Identity (as used on label and listings): BATES HTR-4 - Hi-Temp Release Coating

Chemical Family/Specific Type: Water-based emulsions

Manufacturer: U-C Coatings Corporation

P. O. Box 1066

Buffalo, NY 14215 U.S.A.

Telephone Number: 716-833-9366

Fax Number: 716-833-0120

Emergency Telephone No.: 716-833-9366

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Approximate %</u>	<u>CAS No.</u>
<i>No reportable quantities of any hazardous ingredients are present. No toxic chemical(s) subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.</i>		

3. HAZARDS RATINGS (HMIS) OF THE PRODUCT

HEALTH: 1

FLAMMABILITY: 1

Explanation of Hazards Ratings:

REACTIVITY: 0

PROTECTIVE EQUIPMENT: C

0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Serious Hazard 4 = Severe Hazard

Protective Equipment: C = safety glasses + gloves + apron

General: BATES HTR-4 is generally harmless to handle provided that certain precautions normally taken when handling cleaning products and chemicals are observed.

Inhalation: Vapor pressure is low, so inhalation is not normally a problem. Avoid heating the product - heating may cause vapors causing irritation of the nose, throat and respiratory system.

Eye Contact: Causes irritation to the eyes.

Skin Contact: Not likely to be absorbed through the skin in amounts large enough to cause harm when used normally.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

4. FIRST AID MEASURES

Inhalation: If overcome by mist, remove to fresh air and seek medical attention.

Eye Contact: Flush eyes immediately with large amounts of water, using soap if possible. If irritation continues, seek medical attention.

Skin Contact: Wash skin with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting (aspiration hazard). Seek medical help and treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: No flash - boils at 190° - 212°F / 88° - 100°C

Extinguishing Media: Water fog, dry chemical, carbon dioxide (CO₂), foam, alcohol foam.

Fire Fighting Instructions: Avoid breathing smoke and vapor.

Fire Fighting Equipment: Self-contained breathing apparatus and protective clothing.

Other Fire or Explosion Hazards: Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Large spills: contain with dikes, collect, and filter for reuse. Small spills: collect or absorb with oil absorbent pads. Clean contaminated areas with soap and water. All spill response and disposal should be carried out in accordance with national and local requirements.

7. HANDLING AND STORAGE

Handling: Do not swallow; use normal precautions to avoid exposure to eyes and skin; use in areas with normal ventilation.

Storage: Store at ambient temperature. Avoid high heat, open flames, direct sunlight and freezing temperatures.

General: Keep containers closed to minimize evaporation and skin formation. Store above 32°F / 0°C.

PRODUCT NAME: BATES HTR-4 - Hi-Temp Release Coating**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure Limits: None established.

Ventilation: Good ventilation in work area; mechanical exhaust to minimize exposure to spray mist.

Personal Protection: Eyes: safety glasses or splash goggles
Hands: rubber gloves recommended
Respiration: dust mask respirator if exposed to spray mist
Other: synthetic apron for cleanliness

9. PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance and Odor: Colored liquid with a slight odor

Boiling Point: 212°F / 100°C

Specific Gravity: 1.01

Vapor Pressure: same as water

Freezing Point: 32°F / 0°C

Vapor Density (air = 1): same as water

Evaporation Rate (butyl acetate = 1): <1

Solubility In Water: infinitely diluteable

Flash Point: No flash - boils at 190° - 212°F / 88° - 100°C

Volatile Organic Compounds: nil

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: None known.

Materials to Avoid: Acids, strong oxidizing agents.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Burning may produce carbon monoxide and/or carbon dioxide; also, traces of amines.

11. TOXICOLOGICAL INFORMATION

Product is practically non-toxic and non-irritating.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Not a hazardous waste. Where recovery and reuse is not possible, dry water out of product and dispose of as industrial waste or by incineration where permitted under national and local regulations.

14. TRANSPORTATION INFORMATION

ADR/RID: Not regulated

IMDG: Not regulated

ICAO/IATA: Not regulated

15. REGULATORY INFORMATION

The ingredients in this product are in the TSCA, MITI, AICS, DSL inventories.

16. OTHER INFORMATION

Please consult product and application information for the proper use of this product.