

MATERIAL SAFETY DATA SHEET

BOND

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Loveland Industries, Inc.
P.O. Box 1289 • Greeley, CO 80632-1289

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-800-301-7976

PRODUCT NAME: BOND
CHEMICAL NAME: Carboxylated Synthetic Latex (combination of synthetic latex and primary aliphatic oxyalkylated alcohol)
CHEMICAL FAMILY: Mixture of surfactants (liquid detergent)
CA REG. NO.: 36208-50005
MSDS Number: BND-03 **MSDS Revisions:** Sections 9, 11, 15 and 16 **Date Of Issue:** 10/15/03 **Supersedes:** 07/15/03

2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Synthetic Latex	45.00	Mixture	Not established
Primary Aliphatic Oxyalkylated Alcohol	10.00	Mixture	Not established
Inert Ingredients	45.00		

3. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN. CAUTION. PRIMARY ROUTES OF ENTRY ARE EYE CONTACT AND SKIN CONTACT

This product is a sticking agent with surfactant. This product is a white liquid with mild odor.

4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If victim has difficulty breathing, seek medical attention.
Eye Contact: Flush eyes with water for 15 minutes; get medical attention.
Skin Contact: Wash with soap and water; remove contaminated clothing. Get medical attention if irritation persists.
Ingestion: First aid is not normally required. If symptoms persist get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F / >100°C (PMCC)
FLAMMABLE LIMITS (LEL & UEL): Not established
EXTINGUISHING MEDIA: Dry chemical or carbon dioxide (CO₂), foam or water spray/fog.
HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and/or carbon dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear appropriate personal protective equipment (refer to Section 8). Pick up the material with absorbent material and place in a container for proper disposal in accordance with local, state and federal regulations.

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

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. This material may cause eye and skin irritation. Wash thoroughly after handling.
STORAGE: Keep unused material in original container. Store in a cool dry place. Do not reuse empty container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Work in well-ventilated area. Local exhaust may be required if working in confined space.
RESPIRATORY PROTECTION: Wear a NIOSH approved air-purifying respirator for pesticide handling if necessary.
EYE PROTECTION: Chemical goggles or face-shield.
SKIN PROTECTION: Wear long sleeved shirt, long pants, shoes and socks.

For product

OSHA PEL 8 hr TWA
not listed

ACGIH TLV-TWA
not listed

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White liquid with mild odor.

SPECIFIC GRAVITY (Water= 1): 1.01 g/ml

VAPOR PRESSURE: Not established

PERCENT VOLATILE (by volume): Not established

Note: These physical data are typical values based on material tested but may vary from sample to sample.

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

BULK DENSITY: 8.43 lbs/gal.

BOILING POINT: Not established

EVAPORATION RATE: Not established

SOLUBILITY: Dispersible

pH: 7.4 (1% solution)

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Low pH (strong acidic conditions) will cause coagulation. Excessive free metallic ions may cause coagulation.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide from burning.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): > 5000 mg/kg

Eye Irritation (rabbit): Moderate eye irritant

Inhalation LC₅₀ (rat): 4.73 mg/L.

Carcinogenic Potential: Not listed by OSHA, NTP, IARC, and ACGIH as a known human carcinogen

Acute Dermal LD₅₀ (rabbit): >2000 mg/kg

Skin Irritation (rabbit): Slight skin irritant

Skin Sensitization: Not a sensitizer.

12. ECOLOGICAL INFORMATION

May be toxic to fish and aquatic invertebrates. Guppy: 96 HR LC₅₀: 12.7 mg/L – 96 HR No Effect: 5.8 mg/L. Daphnia Magna: 24 HR EC₅₀: 5.2 mg/L – 24 HR No Effect: 1 mg/L

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Dispose of liquid and contaminated solids in accordance with local, state and federal regulations. (See 40 CFR 268).

Triple rinse (or equivalent) and offer for recycling at an ACRC site or place in trash. Incinerate contaminated solids in accordance with local, state and federal regulations. (See 40 CFR 268).

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.

Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: LTL 60, TL 35)

Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

HMIS

2 Health

0 Least

2 Health

2 Flammability

1 Slight

2 Flammability

0 Instability

2 Moderate

0 Reactivity

3 High

H PPE

4 Severe

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate

Y

Fire

N

Sudden Release of Pressure

N

Delayed

N

Reactive

N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed

16. OTHER

MSDS STATUS: Sections 9, 11, 15 and 16**PREPARED BY:** Registrations and Regulatory Affairs**REVIEWED BY:** Environmental/Regulatory Services

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