

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 PRODUCTS, INC.
P.O. Box 1286 • Greeley, CO 80632-1286

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-866-944-8565
U.S. Coast Guard National Response Center: 1-800-424-8802

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.: 34704-50033
WA REG. NO.: 34704-04003
MSDS Number: 8101351-10-LPI

MSDS Revisions: Section 1

Date of Issue: 07/08/10

Supersedes: 10/06/08

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION - Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. 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 paint-like odor.

3. 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 | | |

4. FIRST AID MEASURES

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.
If in eyes: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): >212°F / >100°C (PMCC)
FLAMMABLE LIMITS (LFL & UFL): 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: Personal Protective Equipment: Wear Long-sleeved shirt and long pants, Socks, Shoes and Gloves. Wash thoroughly after handling.
STORAGE: Store in a cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. Do not contaminate water, food or feed by storage or disposal.

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.

| | OSHA PEL 8 hr TWA | ACGIH TLV-TWA |
|-------------|-------------------|---------------|
| For product | not listed | not listed |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|--|--------------------------------|
| APPEARANCE AND ODOR: White liquid with paint-like odor. | BULK DENSITY: 8.43 lbs/gal. | SOLUBILITY: Dispersible |
| SPECIFIC GRAVITY (Water = 1): 1.01 g/ml | BOILING POINT: Not established | pH: 7.4 (1% solution) |
| VAPOR PRESSURE: Not established | EVAPORATION RATE: 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.

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 | Acute Dermal LD₅₀ (rabbit): >2000 mg/kg |
| Eye Irritation (rabbit): Moderate eye irritant | Skin Irritation (rabbit): Slight skin irritant |
| Inhalation LC₅₀ (rat): 4.73 mg/L | Skin Sensitization: Not a sensitizer. |
| Carcinogenic Potential: Not listed by OSHA, NTP, IARC, and ACGIH as a known human carcinogen | |

12. ECOLOGICAL INFORMATION

May be toxic to fish and aquatic invertebrates.

Daphnia Pulex: 48 HR LC₅₀: 614 mg/L

13. DISPOSAL CONSIDERATIONS

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and locale ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

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 | |

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SARA Hazard Notification/Reporting

SARA Title III Hazard Category: Immediate Y Fire N
Delayed N Reactive N Sudden Release of Pressure 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 INFORMATION

MSDS STATUS: Section 1 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/Regulatory Services

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