



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

BRANDT TOPCOAT

Common Name: Surfactant Blend – Soil Wetter
Chemical Description: Blend of polymeric surfactants.
TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured By

Brandt Consolidated, Inc.
2935 So. Koke Mill Road
Springfield, IL 62711

Emergency Phone Numbers

CHEMTREC (24-Hour Emergency Number): (800) 424-9300
EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

Table with 5 columns: CHEMICAL, CAS NO., %, TLV OR PEL, RQ (lbs)

None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

ROUTES OF ENTRY: Eyes, skin, inhalation, ingestion

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation, experienced as mild discomfort and seen as slight excess redness of the eye.
SKIN: Brief contact is not irritating. Prolong contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.
INGESTION: Product not volatile at ambient temperatures. Vapors or mist in high concentrations, as generated from spraying or heating in an enclosed space, may cause minimal irritation.
INHALATION: If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur.

ACUTE HEALTH HAZARDS: None known

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

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| SECTION 4. | FIRST AID |
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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. Have the product container with you when calling a poison control center or doctor, or going for treatment.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. 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 mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

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| SECTION 5. | FIRE AND EXPLOSION HAZARDS |
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| Flash Point: | >200°F. |
| Test Method: | PMCC |
| LEL Flammable Limits: | Not available. |
| UEL Flammable Limits: | Not available. |
| Autoignition Temperature: | Not available |
| Flammability Classification: | Nonflammable. |
| Known Hazardous Products of Combustion: | Under fire conditions will form oxides of carbon |
| Properties that Initiate/Contribute to Intensity of Fire: | Not known. |
| Potential For Dust Explosion: | None. |
| Reactions that Release Flammable Gases or Vapors: | Not known. |
| Potential For Release of Flammable Vapors: | Not known. |
| Unusual Fire & Explosion Hazards: | None. |
| Extinguishing Media: | Foam, carbon dioxide, dry chemical, or water fog. |
| Special Firefighting Procedures: | Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. This product presents a slip hazard. Proceed with caution. Contain any liquid runoff. |

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| SECTION 6. | SPILLS AND LEAKS |
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| Containment: | Prevent product spillage from entering drinking water supplies or streams. |
| Clean Up: | Collect liquid or absorb onto absorbent material and package for disposal. |
| Evacuation: | Not necessary. |

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| SECTION 7. | STORAGE AND HANDLING |
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| Storage: | Store in original container only in a cool, well-ventilated, dry place at temperatures between 40° and 95 °F. Do not store near food or feeds. Do not stack pallets more than two (2) high. |
| Transfer Equipment: | Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc. |
| Work/Hygienic Practices: | Keep out of reach of children. Harmful if swallowed. Avoid breathing spray mists or vapors. Avoid contamination of feed or foodstuffs. After using this product remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. |

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| SECTION 8. | PERSONAL PROTECTIVE EQUIPMENT |
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| Eyes: | Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. |
| Skin: | Impervious gloves and clothes. |
| Respiratory: | Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710). |
| Ventilation: | Recommended but no TLV established. |

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| SECTION 9. | PHYSICAL AND CHEMICAL DATA |
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| Appearance: | Colorless to Slightly cloudy |
| Odor: | mild, product |
| pH, 2% solution: | 5 -7.5 |
| Vapor Pressure: | < 0.1mmHg |
| Boiling Point: | >300°F. |
| Freezing Point: | approx -4°C |
| Water Solubility: | Soluble. |
| Density: | 8.5 – 8.7 lbs./gal |
| Evaporation Rate: | Not determined. |
| Viscosity: | 450 mPa.s @ 25°C |
| % Volatile: | < 1% |

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| SECTION 10. | STABILITY AND REACTIVITY |
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| STABILITY: | Stable <input checked="" type="radio"/> Unstable <input type="radio"/> |
| CONDITIONS TO AVOID (STABILITY): | This product is stable when handled under the stated conditions |
| INCOMPATIBILITY (MATERIAL TO AVOID): | This product may react violently with isocyanates. Avoid strong oxidizers. |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | Stable except when exposed to the above materials or fire conditions. |
| HAZARDOUS POLYMERIZATION: | Will NOT occur |
| CONDITIONS TO AVOID (POLYMERIZATION): | None |

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| SECTION 11. | POTENTIAL HEALTH EFFECTS |
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| <u>Acute Effects:</u> | |
| Oral: | LD50/rat: > 2,000 mg/kg |
| Skin irritation: | Rabbit: non-irritant (Draize test) |
| Eye irritation : | Rabbit: non-irritant (Draize test) |
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| <u>Subchronic Effects:</u> | None known. |
| <u>Chronic Effects:</u> | None known. |

SECTION 12. ECOLOGICAL INFORMATION**ECOLOGICAL INFORMATION:****Environmental fate and transport**

Biodegradation:

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C

Method of analysis: CO₂ formation relative to the theoretical value

Degree of elimination: > 60 % (28 d)

Evaluation: Readily biodegradable.

Environmental toxicity

Acute and prolonged toxicity to fish: golden orfe/LC50 (96 h): > 100 mg/l

Acute toxicity to aquatic invertebrates: EC50 (48 h): > 100 mg/l

Toxicity to aquatic plants: EC50 (72 h): > 100 mg/l

Toxicity to microorganisms: Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Other ecotoxicological advice: The product has not been tested. The statement has been derived from products of a similar structure and composition.

SECTION 12 NOTES: None**SECTION 13. DISPOSAL**

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14. TRANSPORTATION

D.O.T.: Not D.O.T. Regulated.

Other Shipping Description: Adhesives, Adjuvants, Spreaders or Stickers, Liquid.
NMFC Item 4612, LTL Class 60**SECTION 15. REGULATORY INFORMATION**CERCLA: None.SARA TITLE III, Section 313 Toxic Chemicals: None.**SECTION 16. OTHER**

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