

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Chemical Product

BRANDT INSPRAY 90™

Common Name: Non-ionic surfactant.
Chemical Description: Blend of Alkylarylpolyoxyethylene and free fatty acids.
TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For:

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

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Isopropyl alcohol	67-63-0	3.0 – 9.99	*N.A.	*N.P.
Ethanol, 2,2'-oxybis	111-46-6	Proprietary	N.A.	N.P.

*N.A. – Not Available.

*N.P. – Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light yellow liquid with alcohol odor that may be irritating to eyes and skin. Vapors or mist may be irritating and cause discomfort in nose and throat. Harmful if swallowed. Not D.O.T. regulated when packaged in non-bulk containers for domestic shipment.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

SECTION 4. FIRST AID

Eyes: Flush eyes with plenty of running water. Get medical attention if irritation persists.
Skin: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.
Ingestion: If person is conscious and can swallow, immediately give two glasses of water. Call a Poison Control Center or physician immediately. Induce vomiting as directed by medical personnel. Do not induce vomiting or not give anything by mouth to an unconscious person.
Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.
Other Instructions: Immediate treatment, supplemented with hemodialysis if indicated, of ethylene (diethylene) glycol poisoning may limit the progression and severity of toxic effects. Intravenous ethanol in sodium bicarbonate solution is a recognized antidotal treatment; other antidotal treatments also exist for ethylene (diethylene) glycol poisoning. Contact a Poison Control Center for further treatment information.

SECTION 5. FIRE AND EXPLOSION HAZARDS
--

Flash Point:	120°F.
Test Method:	Closed cup, D-56
LEL Flammable Limits:	Not determined.
UEL Flammable Limits:	Not determined.
Autoignition Temperature:	Not determined.
Flammability Classification:	Combustible.
Known Hazardous Products of Combustion:	Not known.
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 spray.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Fight fire from a safe distance and protected location. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

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.

SECTION 7. STORAGE AND HANDLING
--

Storage:	Store in original container only in a cool, well-ventilated, dry place at temperatures between 40°F and 120°F. Do not store near food or feeds. Keep away from heat and flame. Carefully vent before opening drum. 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.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

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 organic vapor respirator.
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Light yellow liquid.
Odor:	Alcohol.
pH:	6.2 (1% in water).
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	Not available.
Freezing Point:	32°F.
Water Solubility:	Dispersible.
Density:	8.6 lbs./gal
Evaporation Rate:	Not determined.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Strong oxidizing agents. Isolate from oxidizers, heat, and open flame. Keep material away from aluminum metal, oleum, and nitroform.
Incompatibility:	See Conditions To Avoid.
Hazardous Decomposition Products:	Incomplete combustion may yield carbon monoxide and other hazardous gas.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	May cause severe eye irritation, redness, tearing, and blurred vision.
Skin:	May cause slight irritation. Prolonged exposure as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling. LD ₅₀ believed to be 3.00 g/kg (rabbit), practically non-toxic.
Ingestion:	Contains ethylene glycol and/or diethylene glycol, which are toxic when swallowed. A lethal dose for an adult is 1-2 ml per kilograms, or about 4 ounces (1/2 cup). Symptoms include headache, weakness, confusion, dizziness, staggering, slurred speech, loss of coordination, faintness, nausea and vomiting, increased heart rate, decreased blood pressure, difficulty in breathing and seeing, pulmonary edema, unconsciousness, convulsion, collapse, and coma. Symptoms may be delayed. Decreased urine output and kidney failure may also occur. Severe poisoning may cause death. Inhalation: Vapors or mist may be irritating and cause discomfort in nose and throat, nasal discharge, and coughing. Prolonged overexposure may cause difficulty in breathing. Inhalation may cause dizziness, drowsiness, euphoria, loss of coordination, disorientation, headache, nausea, and vomiting. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known.
Toxicity to Fish and Invertebrates: Not known.
Toxicity to Plants: Not known.
Toxicity in Birds: Not known.

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.: Non-bulk domestic shipments are not regulated.
Domestic bulk shipments (single package having a minimum capacity of greater than 450L or 119 gals.) are regulated as follows: Combustible Liquid, N.O.S. (contains Isopropanol), 3, NA1993, PG III
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: Isopropyl alcohol (3.0 – 9.99%).

SECTION 16. OTHER

This information was developed from information on the constituent materials. No warranty expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Brandt Consolidated disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.