



MATERIAL SAFETY DATA SHEET

BRANDT INDICATE™ 5

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Issue Date: 03/08

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

BRANDT INDICATE™ 5

Common Name: pH Buffer plus adjuvants.

Chemical Description: Blend of wetters, spreaders, penetrants and spray water buffers.

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

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
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None.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Red liquid with no odor. Causes moderate eye irritation. Harmful if swallowed. Do not induce vomiting. Burning may result in carbon monoxide fumes. Not D.O.T. regulated.

HEALTH: 2	REACTIVITY: 1	FLAMMABILITY: 1	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:	Call a poison control center or physician immediately. Drink 2 glasses of milk or water to dilute. DO NOT induce vomiting unless so directed by medical personnel. Do 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.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Does not flash.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Nonflammable.
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 fog.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. 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 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. Causes moderate eye irritation. 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 dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Red liquid.
Odor:	None.
pH:	Not determined.
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	100% soluble.
Density:	10.09 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:	Do not store in metal containers.
Incompatibility:	Not available.
Hazardous Decomposition Products:	Burning may result in formation of carbon monoxide fumes.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	May cause eye irritation.
Skin:	May cause slight irritation especially from prolonged exposure. May cause redness.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	None expected but inhalation may cause mild irritation of nasal mucous membranes.

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.:	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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