

Issue Date: 30-Oct-2015

Revision Date: 02-Mar-2017

Version Number: 1.1

1. Identification

Product Identifiers

Product Name: Bright Dyes® NDT Additive

Product Number: E-503136A

Recommended Use & Restrictions on Use

Water Soluble Corrosion Inhibitor

Manufacturer/Supplier

Kingscote Chemicals, Inc.
3334 South Tech Blvd.
Miamisburg, OH 45342
U.S.A.

Emergency Telephone Number

Company Telephone Number: (937) 886-9100
Emergency Telephone (24 hr): INFOTRAC (800) 535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification

Category 5	Acute Toxicity
Category 2A	Eye Irritation
Category 2	Skin Irritation

Signal Word

Warning

Hazard Statements

This material is hazardous according to OSHA definition. Contains corrosive material and may cause irritation to skin, eyes, and respiratory tract.

This material is combustible.



Precautionary Statements

Wear protective gloves/protective clothing/eye protection/face protection

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or you feel unwell: Call a doctor/physician.

Hazard Not Otherwise Classified (HNOC)

N/A

3. Composition/Information on Ingredients

Chemical Name	CAS #	Weight %
Triethanolamine	102-71-6	20-40%
Water	7732-18-5	20-40%
Monoethanolamine	141-43-5	10-30%
Proprietary Ingredient	Confidential	10-30%

**If Chemical Name/CAS # is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.*

4. First-Aid Measures

First-Aid Measures

Eye Contact	Wash eyes with water for at least 30 minutes. If irritation persists, get medical attention.
Skin Contact	Wash affected area with soap and water for approximately 30 minutes.
Inhalation	Remove exposed person to fresh air.
Ingestion	Do not induce vomiting. Get immediate medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

None known.

Protective Equipment and Precautions for Firefighters

Avoid breathing vapors or dusts. Use self-contained breathing apparatus with full face piece and protective clothing.

6. Accidental Release Measures

If Material is Released or Spilled:

Contain spill and transfer to suitable containers. Stop leak if you can do it without risk.

Methods and Material for Containment and Cleaning Up

Small Spills	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. If material is too viscous for pumping scrape it up with shovels into suitable containers for recycle or disposal.
Large Spills	Dike far ahead of spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling Use good engineering practices to establish good ventilation. Avoid contact with skin, eyes and clothing. Wear suitable protective equipment to protect from contact. Avoid breathing mist or vapors. Wash skin thoroughly after handling. Store in closed containers away from extreme heat, sparks, open flame or oxidizing materials.

Conditions for Safe Storage, Including Incompatibilities

Storage Conditions Observe all federal, state and local regulations when storing or disposing of this substance. Keep away from incompatible substances.

8. Exposure Controls / Personal Protection

Engineering Controls

Good general ventilation and/or local exhaust ventilation at the point of generation is recommended.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection Wear safety goggles to prevent eye contact with substance.

Skin & Body Protection Wear appropriate protective gloves to prevent direct contact.

Hygiene Measures Impervious apron if needed to avoid prolonged or repeated skin contact.

PERSONAL PROTECTIVE EQUIPMENT (Pictograms):



9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Slight Ammonia Odor
Appearance	Colorless to Yellow liquid	Odor Threshold	N/A
Color	Colorless to yellow		

<u>Property</u>	<u>Values</u>
pH	N/A
Melting/Freezing Point	N/A
Boiling Point/Range	320°F
Flash Point	N/A, contains water
Evaporation Rate	N/A
Flammability (solid, gas)	Liquid
Upper Flammability Limits	N/A
Lower Flammability Limits	N/A
Vapor Pressure	0.05 mmHg@ 20°C
Vapor Density	N/A

Relative Density	N/A
Specific Gravity	>1.0 @ 20°C
Solubility	Soluble in water
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

10. Stability and Reactivity

Hazardous Polymerization

Will not occur.

Chemical Stability

This product is stable at ambient temperatures.

Possibility of Hazardous Reactions

Exposure to high temperatures, such as those associated with fires causes product decomposition, resulting in the release of carbon monoxide, carbon dioxide, and other decomposition products

Conditions to Avoid

Extreme heat or cold.

Incompatible Materials

Avoid contact with strong acids and strong oxidizers.

Hazardous Decomposition Products

Exposure to high temperatures, such as those associated with fires, causes product decomposition, resulting in the release of carbon monoxide, carbon dioxide, and other decomposition products.

11: Toxicological Information

Potential Acute Health Effects

Skin Contact Skin irritation will occur with redness.

Eye Contact May cause severe irritation with possible corrosion to eyes.

Delayed, Immediate, and Chronic Effects from Short- and Long-Term Exposure

Chronic effects: Excessive exposure may cause severe irritation of the nose, throat, and lungs. Material can also cause liver and kidney damage and/or weakness.

Target organs: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Toxicological data: Triethanolamine

- Oral LD50 (Rats): 4,920 mg/kg bw
- Oral LD50 (Mice): 5,846 mg/kg bw
- Dermal LD50 (Rabbit): >20 mg/kg

Toxicological data: Monoethanolamine

- Oral LD50 (Rats): 1,720 mg/kg bw
- Dermal LD50 (Rabbit): 505 mg/kg

Symptoms Associated with Exposure

See Section 4 of this SDS for symptoms.

Carcinogenicity

NTP	None
IARC	None
OSHA	None

12. Ecological Information

No information available.

13. Disposal Considerations**Waste Disposal Methods**

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state and local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of containers in accordance with federal, state, and local regulations.

14. Transport Information**Note**

See current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

DOT

Proper Shipping Name: Ethanolamine Solution
Class: 8 (corrosive)
UN Number: 2491
PG: III



15: Regulatory Information**International Inventories**

US (TSCA): Y

CANADA (DSL): Y

EUROPE (EINECS/ELINCS): Y

AUSTRALIA (AICS): Y

CHINA (IESCS): Y

JAPAN (ENCS): Y

SOUTH KOREA (KECI): Y

Y= All ingredients are on the inventory or exempt from listing

N= One or more non-exempt ingredients are not on the inventory

U.S. Federal Regulations**CERCLA** There is no calculable reportable quantity (RQ) for this product.

SARA 313	Component	CAS#	% by Wt.
	None		

CWA (Clean Water Act) Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center.

SARA 302	CAS#	Component	% by Wt.
	102-71-6	Triethanolamine	20-40%
	141-43-5	Monoethanolamine	10-30%

TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS:

All components of this formula are included in the TSCA inventory. This product does not contain nor was manufactured with Class 1 or 11 ozone depleting chemicals, Section 611 of the Clean Air Act.

16: Other Information**HMIS**

Health Hazards	Flammability	Instability	Special Hazards
2	1	0	Not determined

NFPA

Health Hazards	Flammability	Physical Hazards	Personal Protection
2	1	0	Not determined

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Revision Note	Content Review

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet