

# SAFETY DATA SHEET



Date Prepared : 12/14/2010  
 MSDS No : 0576  
 Date Revised : 04/15/2015  
 Revision No : 4

## Double Brite E

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Double Brite E  
**GENERAL USE:** Cleaner  
**PRODUCT CODE:** 0576

#### MANUFACTURER

Detco Industries, Inc.  
 PO Box 430  
 Conway, AR 72033  
**Product Stewardship:** (800) 282-2133

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation) :**(800) 424 - 9300

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Corrosion, Category 1B  
 Serious Eye Damage, Category 1  
 Acute Toxicity (Oral), Category 3  
 Acute Toxicity (Dermal), Category 3  
 Target Organ Toxicity (Single exposure), Category 3

##### Physical:

Corrosive to Metals, Category 1

#### GHS LABEL



Corrosion



Skull and  
crossbones

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H290: May be corrosive to metals.  
 H301: Toxic if swallowed.  
 H311: Toxic in contact with skin.  
 H314: Causes severe skin burns and eye damage.  
 H335: May cause respiratory irritation.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P234: Keep only in original container.  
 P264: Wash hands thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271: Use only outdoors or in a well-ventilated area.

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### Response:

P390: Absorb spillage to prevent material damage.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P363: Wash contaminated clothing before reuse.  
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310: Immediately call a POISON CENTER or doctor/physician.

### Storage:

P405: Store locked up.

### Disposal:

P501: Dispose of contents/container in accordance with federal, state and local regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Water	to 100%	7732-18-5
Sulfuric Acid	5 - 10%	7664-93-9
Hydrofluoric Acid	2 - 5%	7664-39-3
Nonylphenol Ethoxylate	2 - 5%	9016-45-9
2- Butoxyethanol	1 - 2%	111-76-2
Hydrochloric Acid	< 1%	7647-01-0

## 4. FIRST AID MEASURES

**EYES:** Flush eyes with water for at least 15 minutes. If pain and/or irritation persists, get medical attention.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

**INGESTION:** Do not induce vomiting. Give 2 glasses of water. Get immediate medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** None.

**EXTINGUISHING MEDIA:** Carbon dioxide, water, foam or dry chemical.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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**SMALL SPILL:** Contain spill. Neutralize with soda ash or lime. Flush area with large amounts of water.

### 7. HANDLING AND STORAGE

**STORAGE:** Store in a tightly closed container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sulfuric Acid	<b>TWA</b>	ppm <sup>[1]</sup>	1 mg/m <sup>3</sup> <sup>[1]</sup>	ppm	0.2 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	<b>STEL</b>	ppm	mg/m <sup>3</sup>	ppm	3 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
Hydrofluoric Acid	<b>TWA</b>	3		0.5			
2- Butoxyethanol	<b>TWA</b>	50 ppm <sup>[1]</sup>	240 mg/m <sup>3</sup> <sup>[1]</sup>	20 ppm <sup>[2]</sup>	97 mg/m <sup>3</sup> <sup>[2]</sup>	NL ppm	NL ppm
	<b>STEL</b>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	NL mg/m <sup>3</sup>	NL mg/m <sup>3</sup>
Hydrochloric Acid	<b>TWA</b>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	NL	NL
	<b>STEL</b>	ppm <sup>[3]</sup>	mg/m <sup>3</sup> <sup>[3]</sup>	ppm	mg/m <sup>3</sup>	NL	NL

**Footnotes:**  
 1. NL = Not Listed  
 2. S = Skin  
 3. C = Ceiling

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles).

**SKIN:** Wear rubber or nitrile gloves.

**RESPIRATORY:** None.

**PROTECTIVE CLOTHING:** Synthetic apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight

**COLOR:** Colorless

**pH:** < 2.00

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**FLASHPOINT AND METHOD:** Not Flammable

**FLAMMABLE LIMITS:** N/D to N/D

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** Not Determined

**FREEZING POINT:** Not Determined

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Determined

**SPECIFIC GRAVITY:** 1.055

**(VOC):** < 2.000 %

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon and sulfur, HCL, HF.

**INCOMPATIBLE MATERIALS:** Strong alkali.

### 11. TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Sulfuric Acid	1	
2- Butoxyethanol		3
Hydrochloric Acid		3

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Not available.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, Toxic, N.O.S.

**TECHNICAL NAME:** (Sulfuric Acid, Hydrofluroric Acid)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**SECONDARY HAZARD CLASS/DIVISION:** 6.1

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UN/NA NUMBER: 2922

PACKING GROUP: II

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive



Toxic

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Sulfuric Acid	5 - 10%	7664-93-9
Hydrofluoric Acid	2 - 5%	7664-39-3

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Sulfuric Acid	5 - 10%	1,000 lbs.
Hydrofluoric Acid	2 - 5%	100
Hydrochloric Acid	< 1%	5,000 lbs.

### 16. OTHER INFORMATION

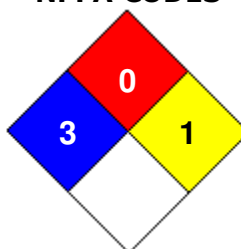
PREPARED BY: E. Spicer Date Revised: 04/15/2015

REVISION SUMMARY: This MSDS replaces the 03/30/2015 MSDS.

#### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	C

#### NFPA CODES



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