

SAFETY DATA SHEET



Date Prepared : 12/14/2010
 MSDS No : 0571
 Date Revised : 04/15/2015
 Revision No : 5

Double Brite

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Double Brite
GENERAL USE: Cleaner
PRODUCT CODE: 0571

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	10 - 15%	7664-93-9
Hydrofluoric Acid	5 - 10%	7664-39-3
Nonylphenol Ethoxylate	2 - 5%	9016-45-9
2- Butoxyethanol	2 - 5%	111-76-2
Hydrochloric Acid	1 - 2%	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 ³	ppm	mg/m ³	ppm	mg/m ³
Sulfuric Acid	TWA	ppm ^[1]	1 mg/m ³ ^[1]	ppm	0.2 mg/m ³	NL ppm	NL mg/m ³
	STEL	ppm	mg/m ³	ppm	3 mg/m ³	NL ppm	NL mg/m ³
Hydrofluoric Acid	TWA	3		0.5			
2- Butoxyethanol	TWA	50 ppm ^[1]	240 mg/m ³ ^[1]	20 ppm ^[2]	97 mg/m ³ ^[2]	NL ppm	NL ppm
	STEL	ppm	mg/m ³	ppm	mg/m ³	NL mg/m ³	NL mg/m ³
Hydrochloric Acid	TWA	ppm	mg/m ³	ppm	mg/m ³	NL	NL
	STEL	ppm ^[3]	mg/m ³ ^[3]	ppm	mg/m ³	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: 1.11

(VOC): < 3.500 %

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	10 - 15%	7664-93-9
Hydrofluoric Acid	5 - 10%	7664-39-3
Hydrochloric Acid	1 - 2%	7647-01-0

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Sulfuric Acid	10 - 15%	1,000 lbs.
Hydrofluoric Acid	5 - 10%	100
Hydrochloric Acid	1 - 2%	5,000 lbs.

16. OTHER INFORMATION

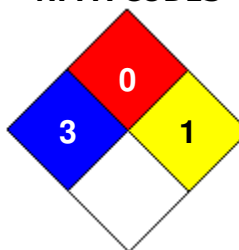
PREPARED BY: E. Spicer **Date Revised:** 04/15/2015

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

HMIS RATING

HEALTH	□	3
FLAMMABILITY	□	0
PHYSICAL HAZARD	□	1
PERSONAL PROTECTION	□	C

NFPA CODES



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