

SAFETY DATA SHEET



Date issued : 05/20/2022

SDS number : 1810

Ultra Brite

1. Identification

Product code: 1810
Product identifier: Ultra Brite
Relevant identified uses: Cleaner

Manufacturer / Supplier

Detco Industries, Inc.
 PO Box 430
 Conway, AR 72033
Customer Service: 800-282-2133
E-Mail: support@detco.com

Emergency telephone number (24 hour)

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

2. Hazard identification

Classification of the substance or mixture**Health hazards:**

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 hazards:

Corrosive to Metals, Category 1

Label elements

Corrosion



Skull and crossbones

Signal word: DANGER**Hazard statement(s)**

H290: May be corrosive to metals.
 H301 + H311: Toxic if swallowed or 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 packaging.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P270: Do not eat, drink or smoke when using this product.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.
 P264: Wash hands thoroughly after handling.

Response:

P390: Absorb spillage to prevent material damage.

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P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310: Immediately call a POISON CENTER/doctor/...

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep 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.

P302+P352: IF ON SKIN: Wash with plenty of water/...

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	% w/w	CAS No.
Water	0 - 100	7732-18-5
Hydrogen Chloride	2 - 5	7647-01-1
Hydrofluoric Acid	2 - 5	7664-39-3
Nonylphenol Ethoxylate	1 - 2	9016-45-9
2- Butoxyethanol	< 1	111-76-2
Ammonium Bifluoride	< 1	1341-49-7

4. First-aid measures

Eye: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. Fire-fighting measures

General hazard: None known.

Suitable extinguishing media: Carbon dioxide, water, foam or dry chemical.

Hazardous decomposition products: None known.

6. Accidental release measures

Small spill: Contain spill. Neutralize with lime.(calcium hydroxide) Flush area with water. Avoid runoff into storm sewers and ditches which lead to waterways.

7. Handling and storage

Precautions for safe handling: Follow all SDS/label precautions even after container is emptied because it may retain product residues.

Conditions for safe storage: Store in original container.

8. Exposure controls/personal protection

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Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Hydrofluoric Acid	OSHA PEL	TWA	3	
	ACGIH TLV	TWA	0.5	
2- Butoxyethanol	OSHA PEL	TWA	50	240
	ACGIH TLV	TWA	20	97
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses with side shields (or goggles).

Skin protection - hand protection: Rubber or nitrile gloves.

Respiratory protection: None

Skin protection - other: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

9. Physical and chemical properties

Physical state: Liquid

Color: Blue

Odor: Strong

pH: < 2.0

Flash point: Not flammable.

Evaporation rate (n-butyl acetate = 1): Not yet determined

Explosion limit / flammability limit notes: None

Vapor pressure: Not yet determined

Relative vapor density: Not yet determined

Relative density: 1.04 g/mL

Solubility: Complete

Partition coefficient n-octanol/water (logarithmic value): Not yet determined

VOC content: < 2

10. Stability and reactivity

Dangerous polymerization: None known.

Chemical stability: Stable

Conditions to avoid: None known.

Possibility of hazardous reactions: None known.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating or toxic gases and vapors.

Incompatible materials: Strong bases

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11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
2- Butoxyethanol	470 mg/kg	220 mg/kg	450 ppm

12. Ecological information

Ecotoxicological information: No data available.

13. Disposal considerations

Disposal methods: Dispose of in accordance with federal, state and local regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Corrosive Liquid, Toxic, N.O.S.

Technical name: (Hydrochloric Acid, Hydrofluoric Acid)

Transport hazard class(es): 8

Secondary hazard class/division: 6.1

UN number: 2922

Packing group, if applicable: PGII

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Corrosive

Toxic-
Secondary

SARA Section 311/312 Hazard Categories

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
Hydrofluoric Acid	2 - 5	7664-39-3

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Hydrofluoric Acid	2 - 5	100
Ammonium Bifluoride	< 1	100

TSCA (The Toxic Substances Control Act)

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Ammonium Bifluoride	1341-49-7

CAA 112(b) Hazardous Air Pollutants

Chemical name	% w/w	CAS No.
Hydrogen Chloride	2 - 5	7647-01-1
Hydrofluoric Acid	2 - 5	7664-39-3

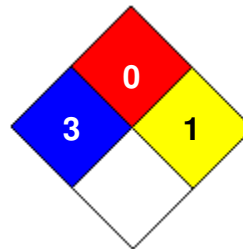
16. Other information

Prepared by: E. Spicer Date Prepared: 05/20/2022

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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