



**SAFETY DATA SHEET
EACO CHEM, INC.**

Issue Date: 01/01/16 **Revision Date:** 7/11/2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: BRITE 10 BC

Recommended Use of the Mixture and Restrictions On Use:

Restricted To: For Professional Use Only

Uses Advised Against: Not Recommended for Household Use.

Details of the Supplier of the Safety Data Sheet

Manufacturers Address:

EaCo Chem, Inc.
765 Commerce Avenue
New Castle, PA 16101
724-656-1055

Emergency telephone number :

8:00 AM to 5:00 PM EST Monday-Friday 1-800-313-8505

Non-Business Hours (CHEM-TEL) 1-800-255-3924

2. HAZARDS IDENTIFICATION

2.1 Classification of Mixture

GHS Classification HCS 2012 (29 CFR 1910)

Hazard Class	Category	Hazard Statements	Precautionary Statements
Eye Damage / Irritation	1	H318	P280, P305+P351+P338,
Skin Corrosion/ Irritation	1A	H314	P280, P262, P303+P361+P353, P270, P320
Acute Toxicity, Oral, Inhalation, Dermal	2 2 1	H300 H330 H310	P284,P310,P301+P330+P331 P304+P340 P260, P270, P320, P310
			P271,P501,P403+P233, P363

2.2 Label Elements HCS 2012 (29 CFR 1910)

PICTOGRAMS



Signal Word: DANGER

Hazard Statements:

Hazard #	Hazard Statement
H300	Fatal if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H330	Fatal if inhaled

Precautionary Statements:

Precautionary #	Precautionary Statement
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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.
P310	Immediately call a POISON CENTER/doctor
P320	Specific treatment is urgent (See section 4).

**2.3 Hazards Not Otherwise Classified (HNOC):
Other Information**

3. COMPOSITION/INFORMATION ON MIXTURES

Hazardous Components

Chemical name	CAS number	%	Trade secret
Sulfuric Acid	7664-93-9	5-10	*
Phosphoric Acid	7664-38-2	5-10	*
Glycol Ether EB	111-76-2	1-5	*
Hydrofluoric Acid	7664-39-3	5-10	*
Balance	Trade secret		*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Hydrofluoric (HF) acid burns require immediate and specialized first aid and medical treatment. Symptoms may be delayed up to 24 hours depending on the concentration of HF. After decontamination with water, further damage can occur due to penetration/absorption of the fluoride ion. Treatment should be directed toward binding the fluoride ion as well as the effects of exposure. Skin exposures can be treated with a 2.5% calcium gluconate gel repeated until burning ceases. More serious skin exposures may require subcutaneous calcium gluconate except for digital areas unless the physician is experienced in this technique, due to the potential for tissue injury from increased pressure. Absorption can readily occur through the subungual areas and should be considered when undergoing decontamination. Prevention of absorption of the fluoride ion in cases of ingestion can be obtained by giving milk, chewable calcium carbonate tablets or Milk of Magnesia to conscious victims. Conditions such as hypocalcemia, hypomagnesemia and cardiac arrhythmias should be monitored for, since they can occur after exposure. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed:

No data available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Water fog, foam, dry chemical powder, Carbon Dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture:

Sulphur Oxides, Hydrogen Fluoride

5.3 Advice for firefighters:

Use protective clothing and NIOSH-approved breathing equipment in case of fire.

5.4 Further information:

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk and avoid run off to waterways and sewers.

6.2 Environmental precautions:

Do not let product enter waterways and sewers.

6.3 Methods and materials for containment and cleaning up:

Soak up with inert absorbent material and prepare for disposal. Keep in suitable, closed containers for disposal. Never return spills to original container for reuse.

6.4 Reference to other sections:

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Wear all appropriate Personal Protective Equipment (PPE). Avoid prolonged exposure. Provide adequate ventilation. Do not mix with other chemicals. Use the product in a manner which minimizes splashes. Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Regulatory Requirements: No data found.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control: Provide adequate ventilation to control airborne concentration. In case of insufficient ventilation, wear suitable respiratory equipment.

Administrative controls: Educate and train employees in safe use of this product. Follow all label warnings and data sheet instructions.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection: Close fitting safety goggles. Face Protection shield if needed.

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: NIOSH/MSHA approved respiratory protection should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance Form: liquid, Blue color
- b) Odor: Acrid
- c) Odor Threshold: Not Determined.
- d) pH: <1.0
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: > 90 °C
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): Not applicable
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 1.15 at 25 °C (77 °F)
- n) Water solubility: Fully Miscible
- o) Auto-ignition temperature: No data available
- p) Decomposition temperature: No data available
- q) Viscosity: Water thin
- r) Explosive properties: Product does not present an explosion hazard
- s) Oxidizing properties: No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable under normal storage and transport conditions of use.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: High heat, incompatible material

10.5 Incompatible materials: Strong alkali and reducing agents

10.6 Hazardous decomposition products: No data available

10.7 Other decomposition products: No data available

10.8 Other Information: In the event of fire: See section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information:

Inhalation: Harmful if inhaled

Ingestion: Harmful if swallowed

Eyes: Causes serious eye damage if left untreated.

Skin: Causes serious skin damage if left untreated.

Germ cell mutagenicity: No data available

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: Fluoride ion can reduce serum calcium levels possibly causing fatal hypocalcemia., Material can cause severe burns and blistering which may not be immediately painful or visible. The full extent of tissue damage may not exhibit itself for 12-24 hours after exposure., Material is destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., necrosis of the skin

12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Other Adverse Ecological Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Method: If possible, recover product for intended use.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Empty Container Precautions: No data available.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Classification: Corrosive Liquid

DOT Information:

UN#: UN1760

UN Proper Shipping Name: Corrosive Liquid, NOS. Compound Cleaning Liquid.

Transport Class: Class 8 (6.1), Pkg Group: II

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

15. REGULATORY INFORMATION

This listing is to highlight federal level regulations of the product. Individual states, and other nations may have further regulations not listed below.

US Federal Regulations:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).

Hydrofluoric Acid CAS# 7664-39-3

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Hazardous Chemicals	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

California Proposition 65: This product does contain chemical known to the State of California to cause cancer.

Sulfuric Acid CAS# 7664-93-9

US State Right-to-Know Regulations:

	MA	PA	NJ
Sulfuric Acid CAS# 7664-93-9	X	X	X
Glycolic Acid CAS # 7732-18-5		X	X
Hydrofluoric Acid	X	X	X

16. OTHER INFORMATION**HMIS® Hazard Ratings:**

HEALTH	3
FIRE	0
REACTIVITY	2
PERSONAL PROTECTION	C*

4 = EXTREME / 3 = HIGH / 2 = MODERATE / 1 = SLIGHT / 0 = INSIGNIFICANT

*C: Chemical resistant gloves, apron and goggles.

Disclaimer: The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot be sure or guarantee these are the only hazards which exist.

END OF SDS