

1. Product and Company Identification

Product Code:	BC2003A	
Product Name:	BCS 2003A	
Company Name:	BCS Company	Phone Number:
	P.O. Box 247 763 Thompson Rd.	1 (860)923-9575
	Thompson, CT 06277	
Emergency Contact:	Chemtrec	1 (800)424-9300
Information:	BCS Company	1 (860)923-9575

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B

Serious Eye Damage/Eye Irritation, Category 1

Acute Toxicity: Oral, Category 4

Corrosive To Metals, Category 1



GHS Signal Word:

Danger

GHS Hazard Phrases:

Causes severe skin burns and eye damage .
Harmful if swallowed.
May be corrosive to metals.

GHS Precautionary Phrases:

Keep out of reach of children.
Read label before use.
Do not breathe {dust/fume/gas/mist/vapours/spray}.
Do not get in eyes, on skin, or on clothing.
Wear rubber gloves, chemical goggles, face shield and rubber apron.
Wash hands thoroughly after handling.
Take any precaution to avoid mixing with chlorinated products.

GHS Response Phrases:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.

Medical and Transportation Emergencies contact Chemtrec 1-800-424-9300

GHS Storage and Disposal

Store locked up.

Phrases:

Dispose of contents/container in accordance to local, state and federal regulations.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7664-38-2	Phosphoric acid {Orthophosphoric acid}	5.0 -10.0 %
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether; Hydroxyethyl butyl ether; (a glycol ether)}	5.0 -10.0 %
1310-58-3	Potassium hydroxide {Caustic potash}	10.0 -20.0 %
7631-99-4	Sodium nitrate {Nitric acid, Sodium salt}	5.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

- In Case of Inhalation:** Immediately move victim to fresh air. If experiencing respiratory symptoms: Get immediate medical advice/attention.
- In Case of Skin Contact:** Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
- In Case of Eye Contact:** Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- In Case of Ingestion:** Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention.

5. Fire Fighting Measures

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Dry chemical, CO2, sand, earth, water spray or regular foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Rubber or neoprene gloves, Safety glasses, Wear chemical protective clothing.

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb spill with inert material (e.g. dry sand or earth), and dispose of in accordance with applicable regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: For industrial or institutional use only.

Precautions To Be Taken in Storing: Keep from freezing. Store away from incompatible substances

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7664-38-2	Phosphoric acid {Orthophosphoric acid}	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 3 mg/m3	

SAFETY DATA SHEET

BCS 2003A

Page: 3

Printed: 09/03/2020

Revision: 09/03/2020

Supersedes Revision: 09/03/2020

111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether; Hydroxyethyl butyl ether; (a glycol ether)}	PEL: 50 ppm	TLV: 20 ppm
1310-58-3	Potassium hydroxide {Caustic potash}		CEIL: 2 mg/m3
7631-99-4	Sodium nitrate {Nitric acid, Sodium salt}		

Respiratory Equipment (Specify Type): A respirator is not needed under normal and intended conditions of product use.

Eye Protection: Safety glasses

Protective Gloves: Rubber or neoprene gloves

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.):

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: Clear Colorless Liquid
Odor: No apparent odor.

pH:

Melting Point:

Boiling Point:

Flash Pt:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Specific Gravity (Water = 1):

Solubility in Water: 100

Octanol/Water Partition

Coefficient:

Autoignition Pt:

Decomposition Temperature:

Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Avoid handling conditions which may allow for leaks and spills of this material. Do not permit personnel to handle this product without proper training and/or protective equipment.

Incompatibility - Materials To Avoid: Avoid contact with alkalis and chlorine products. Avoid contact with materials such as aluminum, tin, zinc, and alloys containing these materials

Hazardous Decomposition or Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Inhalation, Eye contact, Skin contact, ingestion.

Irritation or Corrosion: Eyes: Causes serious eye damage.
Skin: Causes severe skin irritation.
Ingestion: Causes digestive tract burns.
Inhalation: May cause nose, throat, and lung irritation

Symptoms related to Eyes: Redness, Pain, Corrosion.

Toxicological Characteristics: Skin: Redness, Pain, Corrosion.
Ingestion: Corrosion, Abdominal pain
Inhalation: Respiratory irritation, cough

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: May be harmful to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquids, n.o.s. (Phosphoric acid, Potassium hydroxide)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1760 **Packing Group:** III



AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated
UN Number: 1760 **Packing Group:** III
Hazard Class: 8 - CORROSIVE

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7664-38-2	Phosphoric acid {Orthophosphoric acid}	No	Yes 5000 LB	No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether; Hydroxyethyl butyl ether; (a glycol ether)}	No	No	Yes-Cat. N230
1310-58-3	Potassium hydroxide {Caustic potash}	No	Yes 1000 LB	No
7631-99-4	Sodium nitrate {Nitric acid, Sodium salt}	No	No	Yes-Cat. N511

16. Other Information

Revision Date: 09/03/2020

Hazard Rating System:

HEALTH	3
FLAMMABILITY	0
PHYSICAL	1
PPE	B

HMIS:

Additional Information About This Product: Company's Disclaimer: While BCS believes this statement set forth herein are accurate as of the date hereof, BCS makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.