

SAFETY DATA SHEET

BCS 3205

Printed: 04/07/2020
Revision:03/31/2020
Supersedes Revision: 10/08/2015

1. Product and Company Identification

Product Code: BC3205
Product Name: BCS 3205
Company Name: BCS Company
P.O. Box 247 763 Thompson Rd.
Thompson, CT 06277
Phone Number: 1 (860)923-9575

Emergency Contact: Chemtrec 1 (800)424-9300
Information: BCS Company 1 (860)923-9575

2. Hazards Identification

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 3



Warning

Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

GHS Signal Word:

Keep out of reach of children.

GHS Hazard Phrases:

Read label before use.

GHS Precaution Phrases:

Do not get in eyes, on skin, or on clothing.

Do not breathe {dust/fume/gas/mist/vapors/spray}.

Wear rubber gloves, chemical goggles, face shield and rubber apron.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

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 medical advice/attention.

GHS Response Phrases:

IF ON SKIN: Take off 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.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention.

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

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

Store locked up.

No data available.

GHS Storage and Disposal Phrases:

Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	50.0 -60.0 %
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	5.0 -15.0 %
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; soda ash}	15.0 -25.0 %

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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:** Brush off loose excess material. 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, then 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:** No data.
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- 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:** No data available.
- Hazardous Combustion Products:** Nitrogen oxides, Sodium oxides

6. Accidental Release Measures

- Protective Precautions, Protective Equipment and Emergency Procedures:** Safety glasses, rubber or neoprene gloves. Wear chemical protective clothing. NIOSH/MSHA approved respirator
- Steps To Be Taken In Case Material Is Released Or Spilled:** Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

- Precautions To Be Taken in Handling:** For industrial or institutional use only.
- Precautions To Be Taken in Storing:** Keep container closed when not in use. Store in a tightly closed container. Store in cool, dry area with well ventilation.

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8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	No data.	No data.	No data.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	No data.	No data.	No data.
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	NIOSH/MSHA approved respirator
Eye Protection:	Safety glasses
Protective Gloves:	Rubber or neoprene gloves
Other Protective Clothing:	Wear chemical protective clothing.
Engineering Controls (Ventilation etc.):	Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

9. Physical and Chemical Properties

Physical States:	[] Gas [] Liquid [X] Solid		
Appearance and Odor:	Appearance: powder Odor: No apparent odor.		
Melting Point:	270.00 C		
Boiling Point:	320.00 C		
Flash Pt:	No data.		
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	No data.		
Solubility in Water:	100		
Percent Volatile:	No data.		
Autoignition Pt:	No data.		

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:	No data available.
Hazardous Decomposition or Byproducts:	No data available.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

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11. Toxicological Information

Toxicological Information: Eye contact, Skin contact, Inhalation.

Irritation or Corrosion: Eyes: May cause serious eye irritation/damage.

Skin: May cause serious skin Irritation.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: May cause nose, throat, and lung irritation.

Symptoms related to Toxicological Characteristics:

Eyes: Redness, pain, irritation.

Skin: Redness, pain, irritation.

Ingestion: No symptoms known or expected.

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: Not Regulated.

DOT Hazard Class:

UN/NA Number:

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)
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	No	Yes 5000 LB	No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt {Sodium metasilicate (pentahydrate); Metasilicic acid disodium salt}	No	No	No
497-19-8	Sodium carbonate {Carbonic acid, disodium salt; Soda ash}	No	No	No

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16. Other Information

Revision Date: 03/31/2020

Hazard Rating System:

HEALTH		3
FLAMMABILITY		0
PHYSICAL		1
PPE		E

HMIS:

Additional Information About This Product: Company's Disclaimer: While BCS Co., Inc. believes this statement set forth herein is Accurate as of the date hereof, BCS Co., Inc. 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.