

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: BOC-S-BENZYL-L-CYSTEINE
Synonyms: Boc-Cys(Bzl)-OH
Formula: C₁₅H₂₁NO₄S
Supplier: Watson International Ltd
Telephone No: 86-512-81867280
Fax No: 86-512-81867270
Preparation Information Watson Noke Scientific

2. COMPOSITION/INFORMATION ON INGREDIENTS

No.	Name
1.	BOC-S-BENZYL-L-CYSTEINE

No.	CAS No.	R Phrases	Concentration	Classification
1.	5068-28-0	Ik	99.0%	Ik
			1.0%	Ik

Legend: Tx = Very Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, Ik = No Classification Required, E = Explosive, O = Oxidizing, Fx = Extremely Flammable, F = Very Flammable, Fo = Flammable, N = Dang. To the Environment, M = Genotoxic, A = Sensitizing, K = Carcinogenic, R = Causes birth defects, H = skin absorption

3. HAZARDS IDENTIFICATION

Potential Health Effects:

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed

4. FIRST-AID MEASURES

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin Contact: Wash off with soap and plenty of water.

Eye Contact: Flush eyes with water as a precaution.

Swallow: Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters Wear self contained breathing apparatus for firefighting if necessary.

Hazardous combustion products Hazardous decomposition products formed under fire conditions. - Carbon

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oxides, nitrogen oxides (NOx), Sulphur oxides

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental Precautions:	Do not let product enter drains.
Methods for Cleaning Up:	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage:	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures:	General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder
Color:	White
pH:	No data available
Boiling Point/Boiling Range:	No data available
Melting Point/Melting Range:	86 - 88 °C
Flash Point:	No data available
Ignition temperature:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapour pressure:	No data available

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Density: No data available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Materials to avoid: Strong oxidizing agents
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Irritation: No data available

12. ECOLOGICAL INFORMATION

Mobility: No data available
Degradability: No data available
Accumulation: No data available

13. DISPOSAL CONSIDERATIONS

Product and Waste: Offer surplus and non-recyclable solutions to a licensed disposal company
Containers: Dispose of as unused product

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods
IMDG Not dangerous goods
IATA Not dangerous goods

15. REGULATORY INFORMATION

Contains: BOC-S-BENZYL-L-CYSTEINE 99.0% w/w

16. OTHER INFORMATION

Packing:
Per request.

Revision:

Date Prepared: 08/10/2013

DISCLAIMER

The information in the MSDS relates to this specific material. If the product is used as a component in any other product, this MSDS

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BY: Watson International Ltd

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