

MATERIAL SAFETY DATA SHEET**Product Name:** Copper carbonate basic**CAS No.:** 12069-69-1**Version:** 0**1. Identification**

Product Code : 90379
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 4
Skin irritation : Category 2
Eye irritation : Category 2
Specific target organ toxicity - single exposure : Category 3

Label elements**Hazard symbol**

Signal word : Warning
Hazard statement : Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Precautionary statement : Avoid breathing dust.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements : None.

3. Composition/information on ingredients

Ingredient	CAS No
Copper carbonate basic	12069-69-1

MATERIAL SAFETY DATA SHEET**Product Name:** Copper carbonate basic**CAS No.:** 12069-69-1**Version:** 0**4. First Aid Measures****Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation

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

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.

Eye contact

: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Swallowed

: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

: Cough, Difficulty in breathing, Gastrointestinal disturbance, Nausea, Vomiting, Symptoms of systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has lead to hemolytic anemia and accelerates arteriosclerosis.

Indication of any immediate medical attention and special treatment needed Treatment

: No data available

5. Fire fighting measures**Extinguishing media****Suitable extinguishing media**

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

Special hazards arising from the substance or mixture

: Copper oxides

Advice for firefighters

: Wear self contained breathing apparatus for fire fighting if necessary

Further information

: May intensify fire; oxidiser.

MATERIAL SAFETY DATA SHEET**Product Name:** Copper carbonate basic**CAS No.:** 12069-69-1**Version:** 0**6. Accidental Release Measures**

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- Reference to other sections** : For disposal see section 13.

7. Handling and Storage

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection

- Control parameters**
Components with workplace control parameters
Exposure controls
- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin Protection 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.
- Body Protection** : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

MATERIAL SAFETY DATA SHEET**Product Name:** Copper carbonate basic**CAS No.:** 12069-69-1**Version:** 0**Respiratory protection** : Respiratory protection is required.**9. Physical and Chemical Properties**

Appearance : Dark green powder.
Odor : No data available
pH : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Flash Point : No data available
Vapor pressure : No data available
Vapor density : No data available
Relative density : 4.0 g/cm³
Solubility in water : No data available
Solubility (other) : No data available
Formula : CH₂Cu₂O₅
Molecular Weight : 221.12 g/mol

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : No data available.
Possibility of hazardous reactions : No data available
Conditions to avoid : No data available
Incompatible materials : Strong acids
Hazardous decomposition products : No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity : LD₅₀ Oral - rat - 1.350 mg/kg
Remarks: Behavioral:Somnolence (general depressed activity). Diarrhoea Blood:Normocytic anemia.

Skin corrosion/irritation : No data available

Serious eye damage/eye : No data available

MATERIAL SAFETY DATA SHEET

Product Name: Copper carbonate basic

CAS No.: 12069-69-1

Version: 0

irritation

- Respiratory or skin sensitization** : No data available
- Germ cell mutagenicity** : No data available
- Carcinogenicity** : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- Reproductive toxicity** : No data available
- Specific target organ toxicity - single exposure** : Inhalation - May cause respiratory irritation.
- Specific target organ toxicity - repeated exposure** : No data available
- Aspiration hazard** : No data available
- Potential health effects**
- Inhalation** : May be harmful if inhaled. Causes respiratory tract irritation.
- Ingestion** : Harmful if swallowed.
- Skin** : May be harmful if absorbed through skin. Causes skin irritation
- Eyes** : Causes serious eye irritation.

12. Ecological Information

- Toxicity** : No data available
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available
- Other adverse effects** : No data available

13. Disposal consideration

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT				Not dangerous goods	
IMDG				Not dangerous goods	

MATERIAL SAFETY DATA SHEET**Product Name:** Copper carbonate basic**CAS No.:** 12069-69-1**Version:** 0

IATA	Not dangerous goods
------	---------------------

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :**01/08/2014**Version : 0**

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).