



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Copper(II) methoxide: sc-268781



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Identification of substance:

Product Name: Copper(II) methoxide
Catalog Number: sc-268781
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification of the substance or mixture



GHS02 Flame

H228 Flammable solid.



GHS07

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R22: Harmful if swallowed.



Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.



F; Highly flammable

R11: Highly flammable.

Label elements

Labelling according to EU guidelines:

Code letter and hazard designation of product:

Xn Harmful
F Highly flammable

Risk phrases:

11 Highly flammable.
22 Harmful if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 Wear suitable protective clothing and gloves.

Hazard description:

WHMIS classification



Classification system
HMTS ratings (scale 0-4)
(Hazardous Materials Identification System)

| | | |
|------------|---|----------------------------|
| HEALTH | 2 | Health (acute effects) = 2 |
| FIRE | 2 | Flammability = 2 |
| REACTIVITY | 1 | Reactivity = 1 |

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

(CAS#) Description:

Copper(II) methoxide (CAS# 1184-54-9)

4 First aid measures

Description of first aid measures

General information

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing

Do not induce vomiting; immediately call for medical help.

Seek immediate medical advice.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents Water

Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Toxic metal oxide fume

Advice for firefighters

Protective equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and material for containment and cleaning up:

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Keep away from ignition sources.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling

Handle under dry protective gas.

Keep container tightly sealed.

Store in cool, dry place in tightly closed containers.

Ensure good ventilation at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Store away from oxidizing agents.

Store away from water/moisture.

Do not store together with acids.

Further information about storage conditions:

Store under dry inert gas.

This product is moisture sensitive.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Protect from humidity and water. Store at room temperature.

8 Exposure controls/personal protection

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace:

Copper fume, dusts and mists (as Cu)

| | mg/m ³ |
|---------------------|--|
| ACGIH TLV | 1 (dust, mist); 0.2 (fume) |
| Austria MAK | 1; 0.1 (fume) |
| Belgium TWA | 0.2 (fume); 1 (dust) |
| Denmark TWA | 0.1 |
| Finland TWA | 0.2 (fume); 1 (dust) |
| France VME | 0.2 (fume); 1 (dust); 1; 2-STEL (dust) |
| Germany MAK | 0.1 (fume); 1 (dust) |
| Hungary TWA | 0.2; 0.4-STEL (dust) |
| Korea TLV | 1 (dust, mist); 0.2 (fume) |
| Netherlands MAC-TGG | 1 (dust) |
| Norway TWA | 0.05; 0.1 (fume) |
| Poland TWA | 0.1 (fume); 0.3-STEL (fume) |
| Russia | 1-STEL (dust) |
| Sweden NGV | 0.2 (resp. dust); 1 (total dust) |
| Switzerland MAK-W | 0.1; 0.2-KZG-W (fume) |
| United Kingdom TWA | 1; 1-KZG-W |
| | 0.2 (fume) |
| | 1; 3-STEL (dusts and mist) |
| USA PEL TWA | 0.1 (fume); 1 (dusts and mists) |

Additional information: No data

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment: Use suitable respirator when high concentrations are present.

Protection of hands: Impervious gloves

Eye protection:

Safety glasses

Tightly sealed goggles

Full face protection

Body protection: Protective work clothing.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

| | |
|-----------------|--|
| Form: | Powder |
| Formula: | C ₂ H ₆ CuO ₂ |
| Weight: | 125.61 |

pH-value: Not applicable.

Change in condition

| | |
|---|----------------------|
| Melting point/Melting range: | 206°C (403 °F) (dec) |
| Boiling point/Boiling range: | Not determined |
| Sublimation temperature / start: | Not determined |

Flash point: Not applicable

Flammability (solid, gaseous) Highly flammable.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

DOT regulations:



Hazard class: 4.1
Identification number: UN3181
Packing group: III
Proper shipping name (technical name): METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S. (Copper(II) methoxide)
Label: 4.1

Land transport ADR/RID (cross-border)



ADR/RID class: 4.1 (F3) Flammable solids, self-reactive substances and solid desensitised explosives
Danger code (Kemler): 48
UN-Number: 3181
Packaging group: III
UN proper shipping name: 3181 METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S. (Copper(II) methoxide)

Maritime transport IMDG:



IMDG Class: 4.1
UN Number: 3181
Label: 4.1
Packaging group: III
EMS Number: F-A,S-I
Marine pollutant: No
Segregation groups: Heavy metals and their salts (including their organometallic compounds)
Proper shipping name: METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S. (Copper(II) methoxide)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 4.1
UN/ID Number: 3181
Label: 4.1
Packaging group: III
Proper shipping name: METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S. (Copper(II) methoxide)

UN "Model Regulation": UN3181, METAL SALTS OF ORGANIC COMPOUNDS, FLAMMABLE, N.O.S., 4.1, III

Special precautions for user

Warning: Flammable solids, self-reactive substances and solid desensitised explosives

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Product related hazard informations:

Hazard symbols:

Xn Harmful

F Highly flammable

Risk phrases:

11 Highly flammable.

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

16 Keep away from sources of ignition - No smoking.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37 Wear suitable protective clothing and gloves.

National regulations

This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only.

Some or all of the components of this product are not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

Information about limitation of use:

For use only by technically qualified individuals.

This product contains copper and is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and 40CFR372.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information:

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

12/4/2012