

Cu-SCP 304

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Substance key: SC0000107659

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Section 01 - Product and company identification

Identification of the company:

Clariant Produkte (Deutschland) GmbH
Lenbachplatz 6
München, 80333
Telephone No.: +49 (0)89/5110-0

Information of the substance/preparation:

Product Safety 1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC**Trade name:****Cu-SCP 304****Material number:**

264129

Primary product use:

Product and process orientated Research and development

Chemical family:

Zeolite, surface treated

Section 02 - Hazards identification

Emergency overview:

white
powder or extrusions.
May cause eye irritation.
Prolonged or repeated contact may cause skin irritation
Prolonged or excessive inhalation may cause respiratory tract irritation
Prolonged or repeated inhalation may cause damage to the lungs.
May be harmful if swallowed.

Expected Route of entry:**Inhalation:**

Prolonged or excessive inhalation may cause respiratory tract irritation.
Prolonged or repeated inhalation may cause damage to the lungs.

Skin contact:

Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Eye contact:

Dust contact with the eyes can lead to mechanical irritation.

Ingestion:

May be harmful if swallowed.

Skin absorption:

Route of exposure unlikely.

Health effects of exposure:

Valfor 100 Zeolite NaA (1318-02-1)

Zeolite, silica rich, crystalline, synthetic, non-fibrous : Irritating to eyes. Substance may be harmful if swallowed. Prolonged or repeated contact may cause skin irritation.

Prolonged or excessive inhalation may cause respiratory tract irritation. Prolonged or repeated overexposure may cause lung damage.

Prolonged exposure to respirable crystalline silica may cause delayed lung injury/fibrosis

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(silicosis). This product may contain crystalline silica which is known to cause cancer.

Known effects on other illnesses: Persons with pre-existing respiratory or skin diseases may be at an increased risk from exposure to this material.

Listed carcinogen: IARC: No
NTP: No
OSHA: No
Other: No

HMIS:

Health: 1*

Flammability: 0

Reactivity: 0

Section 03 - Composition/information on ingredients**Hazardous ingredients:**

Component	CAS-no. (Trade secret no.)	Concentration
Zeolite	1318-02-1	< 95 %
Copper (As An Integral Part Of The Dye or Pigment Molecule)	7440-50-8	

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 04 - First aid measures**After inhalation:**

Remove to fresh air.
Call a physician if irritation develops or persists.
Call a physician if symptoms occur.

After contact with skin:

Before washing use a dry brush to remove dust from skin.
Wash area with mild soap and copious amounts of water.
If skin irritation occurs: Get medical advice/ attention.

After contact with eyes:

Do not rub affected area.
Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.
Get medical attention.

After ingestion:

Route of exposure unlikely.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

Section 05 - Fire fighting measures

Flashpoint: not applicable

Lower explosion limit: not tested.

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Upper explosion limit: not tested.**Self ignition:** not tested.**Ignition temperature:** not applicable**Hazardous combustion products:**
None known.**Extinguishing media:** The product itself does not burn.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.**Special fire fighting procedure:**
Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.**Unusual fire and explosion hazards:** Product does not normally present a fire or explosion hazard. However, dusts may be ignited by static discharge or flame especially if suspended in a dust-laden air cloud. Avoid generation of dusts. Avoid any condition that will suspend or float particles in the air. Normal precautions for flammable dusts should be followed.**Section 06 - Accidental release measures****Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.
Minimize airborne particulates.
Keep container tightly closed.
Material should be swept up or vacuumed, using ventilation to control the level of airborne dust. Avoid using compressed air or any method that creates airborne dust. If cleanup may create airborne dust, personnel should wear eye, skin, and respiratory protection.
Refer to Section 8 for more information.

Section 07 - Handling and storage**Advice on safe handling:**

Minimize dust generation and accumulation.
Avoid breathing dust.
Use only in well-ventilated areas.
Avoid contact with eyes.
Avoid prolonged or repeated contact with skin.
Wash thoroughly after handling.
CAUTION: Dry powders in powder or bead form may build up static electricity when being poured.

Further info on storage conditions:

Keep container dry.

Section 08 - Exposure controls / personal protection

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All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is 5 mg/m³ for respirable fraction and 15 mg/m³ for total dust. ACGIH exposure guidelines of less than 3 mg/m³ (respirable) and 10 mg/m³ (inhalable) have been established for particles (insoluble/poorly soluble) not otherwise specified (PNOS).

Respiratory protection:	Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.
Hand protection:	Chemical resistant gloves
Eye protection:	Follow facility guidelines in the absence of dusts. Tightly fitting safety goggles
Other protective equipment:	Wear protective clothing, including long sleeves and gloves, to prevent skin contact. Thoroughly wash clothing before reuse.
Advice on system design:	Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

Section 09 - Physical and chemical properties

Form:	solid
Color:	light blue
Odor:	none
Odor limit:	cannot be determined
pH:	not tested.
Solubility in water:	not tested.
Miscibility with water:	not tested.
Soluble in ... :	not tested.
Solubility / qualitative:	not tested.
Density:	not tested.
Melting point :	not determined
Boiling point :	not applicable
Sublimation point :	not determined
Vapor pressure:	not applicable
Bulk density:	600 kg/m ³
Relative vapor density:	not applicable
Partitioning coef. octanol/water:	not determined

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Viscosity / (dynamic): not applicable

Viscosity / (kinematic): not applicable

Viscosity / (flow time): not applicable

Section 10 - Stability and reactivity

Chemical stability: The product is chemically stable.

Conditions to avoid: None known.

Section 11 - Toxicological information**Component information:**

Zeolite, silica rich, crystalline, synthetic, non-fibrous (1318-02-1)

Acute oral toxicity: LD50 > 2,000 mg/kg (rat)
Method: OECD Test Guideline 401

Acute dermal toxicity: LD50 > 2,000 mg/kg (rabbit)
Method: OECD Test Guideline 402

Copper (7440-50-8)

Acute oral toxicity: Test data for the substance are not available.

Section 12 - Ecological information**Component information:**

Valfor 100 Zeolite NaA (1318-02-1)

Fish toxicity: LC50 > 680 mg/l (96 h, Pimephales promelas (fathead minnow))

Fish toxicity: NOEC > 86.7 mg/l (30 d, Pimephales promelas (fathead minnow))

Fish toxicity: LC50 > 780 mg/l (96 h, lagodon rhomboides)

Daphnia toxicity: EC50 > 100 mg/l (48 h, Daphnia magna (Water flea))

Daphnia toxicity: NOEC 32 mg/l (21 d, Daphnia magna (Water flea))

Daphnia toxicity: EC50 > 780 mg/l (96 h, Penaeus duorarum)

Algae toxicity: EC50 > 100 mg/l (72 h, Desmodesmus subspicatus (green algae))
Method: OECD Test Guideline 201

Algae toxicity: NOEC > 100 mg/l

Copper (7440-50-8)

Fish toxicity: Test data for the substance are not available.

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Section 13 - Disposal considerations**Waste disposal information:**

This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

RCRA hazardous waste:

No -- Not as sold.

RCRA number: NONE

Section 14 - Transport information

DOT	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information**TSCA Status:**

All components of this product are listed on the TSCA Inventory.

SARA (section 311/312):

Reactive hazard:	no
Pressure hazard:	no
Fire hazard:	no
Immediate/acute:	yes
Delayed/chronic:	yes

SARA 313 information:

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

CERCLA information:

This material does not contain any components with a CERCLA RQ.

Section 16 - Other information**Label information:****WARNING!**

Prolonged or repeated inhalation may cause lung damage. Prolonged or repeated overexposure may cause central nervous system effects. May be harmful if swallowed. May cause vomiting. May cause damage to the kidney or pancreas. May cause eye, skin, and respiratory tract irritation.

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Do not ingest. Keep container closed. Prior to handling this product, please refer to the current MSDS for

MATERIAL SAFETY DATA SHEET



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recommended protective equipment and detailed hazard and precautionary information.

INHALATION: If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention. Get medical attention if cough and other symptoms develop.

INGESTION: If swallowed, call your local Poison Control Center (1-800-222-1222 in the U.S.) In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. **IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if symptoms occur.

NFPA:

Health: 1

Flammability: 0

Reactivity: 0

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.