

Material Safety Data Sheet

According to Regulation (EC) No 1907/2006
(Amended by Regulation (EU) No 453/2010)

Created on: 10.11.2016
Revised on: 10.11.2016
Valid from: 10.11.2016
Version: 1.0

Replaces version:

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Vernax Colloidales Graphit

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant uses

Paint for hardening and protecting gypsum. Only for the professional user.

Uses advised against

Use only for the intended purpose.

1.3. Details of the supplier of the safety data sheet

Hager & Werken GmbH & Co. KG

Ackerstr. 1

D 47269 Duisburg

+49 (203) 99269

info@hagerwerken.de

1.4. Emergency telephone number

+41-44 / 251 51 51

CH: Tox Info Suisse – Speed dialing: 145 (www.toxinfo.ch)

2. Hazards identification

2.1. Classification of the substance or mixture

No classification required.

2.2. Label elements according to Regulation (EG) Nr. 1272/2008 (substances) / Directive 1999/45/EG (mixtures)

Hazard pictograms



Signal word

Warning

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Hazard statements

Causes skin irritation. (H315)
Causes serious eye irritation.. (H319)

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Extra information

The product is not subject to identification due to the calculation procedure of the "General Classification Guidelines for Preparations of the EC" as last amended.

Special marking

Safety data sheet available on request for professional users.

2.3. Other hazards

None if used as intended.

3. Composition/information on ingredients

Classification according to Regulation (EC) No 1272 [CLP]

CAS-No. INDEX-No. EG-No.	Substance	Concentration in %	Classification	
			Hazard category and Hazard coding	Hazard statements
1336-21-6 7-001-01-2 215-647-6	Ammonia, aq. solution	1-5	Skin Corr. 1B Aquatic Acute 1	H314 H400

For the full text of the dangers listed in this section, see section 16.

4. First aid measures

4.1. Description of first aid measures

General information

Bring affected people out from the danger area and lay down. In case of irregular breathing or respiratory arrest, initiate artificial respiration. Take off dirty, soaked clothes immediately. Symptoms of poisoning can also be seen only after a few hours.

After inhalation

Go to fresh air. If symptoms persist, consult a doctor. In case of unconsciousness use stable side position and seek medical advice.

After skin contact

Wash with water and soap. Remove contaminated clothes and shoes. Generally the product does not irritate the skin.

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After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing

Drink plenty of water, but never give anything to an unconscious person.
Induce vomiting if person is conscious. Seek medical help.

4.2. Most important symptoms and effects, both acute and delayed

Eye: Irritation, conjunctivitis (conjunctivitis).
Skin: redness, inflammation.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents

Water spray, alcohol resistant foam, dry extinguishing agent or carbon dioxide.

For safety reasons unsuitable extinguishing agents

Water jet

5.2. Special hazards arising from the substance or mixture

Special hazards during fire fighting

When heated or in case of fire, the formation of toxic gases is possible.

5.3. Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Danger of slipping due to leaking product.
Avoid contact with eyes and skin.
Ensure adequate ventilation.

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6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.

6.3. Methods and material for containment and cleaning up

Contain and retain the leaking material with non-combustible, absorbent material (e.g., sand, earth, kieselguhr, vermiculite) and fill into containers for disposal according to local / national legal requirements (see section 13). Ensure adequate ventilation. This product and its container must be disposed of as hazardous waste. Treat the absorbed material according to the section Disposal.

6.4. 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

7.1. Precautions for safe handling

Advice for safe handling

Observe the usual precautions when handling chemicals. Avoid contact with skin and eyes. Keep container tightly closed. Provide sufficient air exchange and / or exhaust ventilation in the workrooms. Emergency fume hoods should be available in the immediate vicinity.

Hygienic measures

Take off dirty, soaked clothes immediately. Do not breathe gas / fumes / vapor / aerosol. Avoid contact with skin and eyes. Do not eat, drink or smoke in the area of application. Keep away from food, drink and animal feed. Wash hands before breaks and at the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

Store in a cool, well-ventilated place in the original container.

Information about fire and explosion protection

None

Information about storage in one common storage facilit

None

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7.3. Specific end use(s)

Lubricant / lubricant

8. Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits (TRGS 900)

Substance (CAS-Number)	MAK-Valu		KZGW		
	ml/m3 (ppm)	mg/m3	ml/m3 (ppm)	mg/m3	
Ammonia (7664-41-7)	20	14	40	28	

Workplace exposure limits (CH)

Substance (CAS-Number)	MAK-Value		KZGW		Notationen
	ml/m3 (ppm)	mg/m3	ml/m3 (ppm)	mg/m3	
Ammonia (7664-41-7)	20	14	40	28	H S OL B P C M RF RE SS SSc

8.2. Exposure controls

General protective and hygienic measures

Provide sufficient air exchange and / or exhaust ventilation in the workrooms.

Personal protective equipment

Breathing equipment:

In case of vapor and aerosols, wear suitable respiratory equipment with a filter. Respiratory protection with filter. Recommended filter type: A

Protection of hands:

Wear suitable protective gloves. Selection of the glove material, taking into account breakthrough times, permeation rates and degradation. Observe the manufacturer's specifications regarding permeability and breakthrough time as well as the special conditions at the workplace (mechanical load, contact duration). Protective gloves should be replaced on first wear signs.

Material: fluorocarbon rubber

Penetration time: >= 8 h

Glove thickness: 0,4 mm

Eye protection: Tightly closing goggles

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Form: liquid
Colour: black
Odour: ammoniacal

Change of state

Boiling point / boiling range:	100°C
Firing point:	No flashpoint up to 100 ° C. Aqueous preparation
Expl.limits:	No data available / Not applicable
Steam pressure:	No data available / Not applicable
Density:	at 20°C 1,095 g/cm ³
Solubility in water:	at 20°C Miscible
Solids content:	at 20°C 17,8 - 18,2 %

9.2. Other information

No further data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further data available.

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Reaction with strong acids and alkalis.
Reaction with strong oxidizing agents.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

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10.6. Hazardous decomposition products

None known when used as intended.
In case of fire, toxic gases can be generated.

11. TOXICOLOGICAL INFORMATION

11.1. Angaben zu toxikologischen Wirkungen

General toxicological information

The mixture is classified on the basis of the available risk data for the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I of Directive 1272/2008 / EC. Relevant available information on health and environmental aspects of substances from Chapter 3 are provided below.

Acute inhalation toxicity

In case of prolonged or repeated inhalation of the vapors, irritation to the respiratory system can not be excluded.

Skin irritation

Causes skin irritation.

Eye irritation

Causes serious eye irritation.

12. ECOLOGICAL INFORMATION

General information on ecology

The mixture is classified on the basis of the available risk data for the ingredients, as defined in the classification criteria for mixtures for each hazard class in Annex I of Directive 1272/2008 / EC. Relevant available information on health and environmental aspects of substances from Chapter 3 are provided below. Do not empty into drains / surface water / ground water.

12.1. Ecotoxicity effects

Substance (CAS-Number)		Method	Dose	Species
Ammoniak, wässr. Loesung (141-78-6)	Fish toxicity	LC50	0,16 - 1,1 mg/l; 96 h	Oncorhynchus mykiss
	Aquatic invertebrates	EC50	25,4 mg/l; 48 h	Daphnia magna (large waterflea)
	Water plants Algae	EC10	> 1.000 mg/l; 72 h	Skeletonema costatum

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12.2. Persistence and degradability

No information available.

12.3. Bioaccumulation potential

No information available.

12.4. Mobility in the ground

No information available.

12.5. Results of PBT and vPvB assessment

The substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No.1907 / 2006, Annex XIII.

12.6. Other harmful effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Disposal together with normal waste is not permitted. Special disposal according to local regulations is required. Do not empty into drains. Contact the waste disposal company.

Contaminated packaging

Contaminated packaging is to be emptied optimally, they can then be recycled after appropriate cleaning. Do not incinerate or dispose of with a cutting torch. Risk of explosion.

European waste catalog key

The EWC waste codes are not product-specific but origin-specific. Therefore the manufacturer can not specify a waste key for the products which are used in different sectors. The listed keys are to be understood as a recommendation for the user: 080120

14. TRANSPORT INFORMATION

14.1. UN-Number

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR

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14.2. UN proper shipping name

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR

14.3. Transport hazard classifications

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR

14.4. Packing group

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR

14.5. Danger to the environment

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR DGR

14.6. Special precautions for user

No dangerous good according to RID, ADR, ADN, IMDG, IATA-DGR

14.7. Transport in bulk according to Annex II of MARPOL Convention 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

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

EU regulations

Information on VOC Directive 2004/42 / EC: 0% (0 g/l)

National regulations

Water hazard class: 1 - slightly hazardous to water

Status: Mixing rule according to VwVwS Annex 4, No. 3

15.2. Chemical safety assessment

WGK = 1, slightly water-endangering product. classification
According to the mixing rule according to appendix 4 of the VwVwS from
27 July 2005.

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Storage class according to TRGS 510: 10

16. OTHER INFORMATION

Full text of the dangers in section 2 and 3:3

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Further information

This information is based on the present state of knowledge and relates to the product as delivered. It shall describe our products regarding safety requirements and shall not be intended to guarantee any particular properties.