

1 Identification

Product identifier

Trade name: SILLITIN V 85, V 88, N 82, N 85, N 87, Z 86, Z 89, SILLIKOLLOID P 87, and their puriss grades

CAS Number: see information in section 3

Uses advised against: -

Application of the substance / the mixture

as functional fillers for elastomers, plastics, paints and varnishes, adhesives, food additives, polishing and protective agents, and welding electrodes, as well as in the construction and chemical industries.

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

HOFFMANN MINERAL GmbH
Münchener Straße 75
D - 86633 Neuburg (Donau)
Phone: +49 (0) 8431 53-0
Fax: +49 (0) 8431 53-3 30
www.hoffmann-mineral.com
info@hoffmann-mineral.com

Importer:

Importer (all but rubber and plastic):

GMZ Inc.
5115 Excell Court
West Chester, Ohio 45069, USA
Phone: +1 (0) 513-860-9300
Toll Free: +1 800-543-1121
Fax: +1 (0) 513-870-5210

Importer (rubber and plastic):

ChemSpec Ltd.
559 Corporate Woods Parkway, Suite 150
Uniontown, Ohio 44685, USA
Phone: +1 (0) 330-869-0355
Toll Free: +1 800-200-4753

E-mail competent person: info@hoffmann-mineral.com

Information department: see supplier or importer

Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

2 Hazard(s) identification

Classification of the substance or mixture

Due to cryp. CS A-dust (DIN EN 15051-B) amounting to < 0.1% by weight, classification in accordance with HCS2012 is not required.

The substance is not classified according to the Globally Harmonized System (GHS).

Information concerning particular hazards for human and environment:

Due to the potential for generation of airborne respirable cryptocrystalline silica (cryp. CS), lung fibrosis cannot be ruled out. Prolonged inhalation of large amounts of cryp. CS A-dust (> 0.15 mg/m³) may lead to silicosis.

Label elements

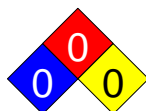
Hazard pictograms Void

Signal word Void

Hazard statements Void

Classification system: Hazard Communication Standard (HCS 2012)

NFPA ratings (scale 0 - 4)



Health = 0
Fire = 0
Reactivity = 0

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HMIS-ratings (scale 0 - 4)

| | | |
|------------|---|----------------|
| HEALTH | 0 | Health = 0 |
| FIRE | 0 | Fire = 0 |
| REACTIVITY | 0 | Reactivity = 0 |

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

Neuburg Siliceous Earth, also known by the trade names SILLITIN and SILLIKOLLOID, is an inorganic compound originating in nature and made up of amorphous and cryptocrystalline silica and lamellar kaolinite.

CAS No. Description

Neuburg Siliceous Earth is defined under the following CAS number(s):

Identification number(s)**TSCA**

7631-86-9 Silica

1318-74-7 Clay

4 First-aid measures

Description of first aid measures

General information: If symptoms persist or in case of doubt seek medical advice.

After inhalation:

Supply fresh air.

Remove victim from contaminated area. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Call a doctor.

After skin contact:

Wash with water and soap.

Do not use solvents or thinners.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water.

If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting

Never give anything by mouth to an unconscious person.

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed Symptomatic treatment

5 Fire-fighting measures

Extinguishing media**Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

Non-combustible. No hazardous thermal decomposition.

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Advice for firefighters**Protective equipment:** Wear self-contained respiratory protective device.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Environmental precautions: Do not allow product to reach sewage system or any water course.**Methods and material for containment and cleaning up:**

Avoid formation of dust. Use a tested and approved industrial vacuum cleaner for collecting dust.

Send for recovery or disposal in suitable receptacles.

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**Precautions for safe handling**

Prevent formation of dust.

Provide suction extractors if dust is formed.

Carry out filling operations only at sites with extractors available.

Any deposit of dust which cannot be avoided must be regularly removed.

Information about protection against explosions and fires:

Observe the general rules of industrial fire protection.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store receptacles tightly closed at a cool and dry place with sufficient ventilation

Store in original container wherever possible.

Information about storage in one common storage facility: Not required.**Further information about storage conditions:** Store in dry conditions.**Specific end use(s)** No further relevant information available.**8 Exposure controls/personal protection****Additional information about design of technical systems:** No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:****CAS: 7631-86-9 Cryptocrystalline Silica**TWA $\leq 0.10 \text{ mg/m}^3$

Recommendation HOFFMANN MINERAL

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

Wash hands before breaks and at the end of work.

Do not inhale dust / smoke / mist.

Do not eat or drink while working.

Immediately remove soiled, soaked clothing and use again only after washing.

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

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A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Protection of hands: No chemical-protective gloves required.

Eye protection: Safety glasses with side shields

Body protection: Not required.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

| | |
|------------------------|-----------------|
| Form: | Powder |
| Color: | White to beige |
| Odor: | Odorless |
| Odor threshold: | Not determined. |

pH-value at 20 °C (68 °F) (400 g/l) at 20 °C (68 °F): 5 - 8

Change in condition

| | |
|-------------------------------------|----------------|
| Melting point/Melting range: | Not applicable |
| Boiling point/Boiling range: | Not applicable |

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Ignition temperature: Not applicable.

Decomposition temperature: Not determined.

Auto igniting: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

| | |
|---------------|----------------|
| Lower: | Not applicable |
| Upper: | Not applicable |

Vapor pressure: Not applicable

Density at 20 °C (68 °F): 2.6 g/cm³ (21.697 lbs/gal)

Relative density Not determined.

Vapor density Not applicable

Evaporation rate Not applicable.

Solubility in / Miscibility with

Water: practically insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not applicable

Kinematic: Not applicable

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

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Hazardous decomposition products:

No hazardous decomposition products if instructions for storage and handling are followed

11 Toxicological information

Information on toxicological effects**Acute toxicity:**

LD/LC50 values that are relevant for classification: No toxicity data are available for the product itself.

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

on respiratory tract: No data available

Sensitization: No sensitizing effects known.

Additional toxicological information:**Carcinogenic categories****IARC (International Agency for Research on Cancer)**

| | | |
|----------------|--------|---|
| CAS: 7631-86-9 | Silica | 3 |
|----------------|--------|---|

NTP (National Toxicology Program) Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water

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: Smaller quantities can be disposed of with household waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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14 Transport information

| | |
|---|---|
| UN-Number DOT, ADR, IMDG, IATA | Void |
| UN proper shipping name DOT, ADR, IMDG, IATA | Void |
| Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class | Void |
| Packing group DOT, ADR, IMDG, IATA | Void |
| Environmental hazards: Marine pollutant: | No |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |
| Transport/Additional information: | Not dangerous according to the above regulations. |
| UN "Model Regulation": | Void |

15 Regulatory information

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

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is not listed.

Proposition 65 Substance is not listed.

Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency) Substance is not listed.

TLV (Threshold Limit Value established by ACGIH) Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision 03/04/2016 / 1

Abbreviations and acronyms:

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = lethal Concentration

EC50 = half maximal effective concentraion

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International

Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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Safety Data Sheet
acc. to OSHA HCS



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Reviewed on 02/12/2016

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IOELV = indicative occupational exposure limit values
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

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Sources Information provided by the manufacturer

* **Data compared to the previous version altered.**

Changes have been made to sections marked with a *, as compared to the previous version.

US