

SAFETY DATA SHEET (91/155/EWG)**AEROSIL® MOX 80**

degussa.

material No.
specification
VA-Nr

131545

Version
Revision date
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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product information**

Trade name : AEROSIL® MOX 80

Company : Degussa AG, Aerosil & Silanes
Produktsicherheit AS-FA-PS
Postfach 1345
D-63403 Hanau

Telephone : +49 (0)6181 59-4787
Telefax : +49 (0)6181 59-4205
Emergency telephone number : +49 (0)7623-919191

Use of the Substance /
Preparation : paper
dispersion

2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components****• Silicon dioxide, chemically prepared**

CAS-No. 112945-52-5, 7631-86-9 EC-No. 231-545-4

• Aluminium oxide

CAS-No. 1344-28-1 Ø 1% EC-No. 215-691-6

See chapter 16 for text of risk phrases

3. HAZARDS IDENTIFICATION

On the basis of our data, the products is not a hazardous substances as defined by the Chemicals Act or Hazardous Substance Ordinance in the currently valid versions.

4. FIRST AID MEASURES**Inhalation**

In case product dust is released:
Possible discomfort: cough, sneezing
Take affected persons out into the fresh air.

Skin contact

Wash off with soap and plenty of water.

Eye contact

Possible discomfort is due to foreign substance effect.
Rinse thoroughly with plenty of water keeping eyelid open.
In case of persistent discomfort: Consult an ophthalmologist.



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Ingestion

Clean mouth with water and drink afterwards plenty of water.

After absorbing larger amounts of substance / In case of discomfort: Supply with medical care.

Notes to physician

No hazards which require special first aid measures

RE-FIGHTING MEASURES**Suitable extinguishing media**

all extinguishing substances suitable

Specific hazards during fire fighting

none known

Further information

Water used to extinguish fire should not enter drainage systems, soil, or stretches of water.

Ensure there are sufficient retaining facilities for water used to extinguish fire.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

ACCIDENTAL RELEASE MEASURES**Personal precautions**

Wear personal protective equipment.

Environmental precautions

Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

Methods for cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Respiratory protection

No special protective equipment required.
If dust occurs: Dust mask with P2 particle filter

Hand protection

Wear protective gloves made of the following materials: material, rubber, leather.
The material thickness and rupture time data do not apply to non-solute solids / dusts.

Eye protection

safety glasses with side-shields
If dust occurs: basket-shaped glasses

Skin and body protection

No special protective equipment required.

Hygiene measures

No eating, drinking, smoking, or snuffing tobacco at work.
Wash contaminated clothing before re-use.
Preventive skin protection recommended.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.
If there is the possibility of skin/eye contact the indicated hand/eye/body protection should be used.
If the limits at the workplace are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Autoinflammability	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	not applicable
Density	ca. 2.2 g/cm ³ (20 °C)
tapped density	ca. 60 g / l Method: DIN / ISO 787/11
Water solubility	insoluble
Partition coefficient (n-octanol/water)	not applicable
Viscosity, dynamic	not applicable

10. STABILITY AND REACTIVITY

Hazardous decomposition products	none known
Thermal decomposition	> 2000 °C

11. TOXICOLOGICAL INFORMATION

No results of animal experiments with this preparation are available.

Data derived from product of similar composition:

Acute oral toxicity	LD50 rat: > 10000 mg/kg Method: literature
Acute inhalation toxicity	LC50 rat: 0.139 mg/l / 4 h Method: literature (maximum concentration attainable in experiments) No deaths occurred.
Acute dermal toxicity	LD50 rabbit: > 5000 mg/kg Method: literature
Skin irritation	rabbit / literature not irritating
Eye irritation	rabbit / literature not irritating
Repeated dose toxicity	Oral no negative effects inhalative no irreversible changes and no indication of silicosis

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gentotoxicity in vitro	no evidence of mutagenic effects, literature
Carcinogenicity	no negative effects
Toxicity to reproduction	no negative effects
Human experience	Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Behaviour in environmental compartments

Ecotoxicity effects

Ecotoxicological tests with this preparation are not available.

Data derived from product of similar composition:

Toxicity to fish	LC50 (Brachydanio rerio): > 10000 mg/l / 96 h Method: OECD 203
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Toxicity to daphnia	EC50 Daphnia magna: > 10000 mg/l / 24 h Method: OECD 202
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13. DISPOSAL CONSIDERATIONS

Product

Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

Uncleaned packaging

Offer rinsed packaging material to local recycling facilities.
Other countries: observe the national regulations.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

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REGULATORY INFORMATION

Labelling according to EEC Directive

Other data

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National legislation

OTHER INFORMATION

Risk phrase (R phrase) texts

Further information

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other