

HAFFMANS DRYING AGENT

SAFETY INFORMATION SHEET according to 93/112/EEC

1. ID OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name
Haffmans Drying Agent

Supplier
Haffmans B.V.
Marinus Dammeweg 30
P.O.Box 30, 5902 RD Venlo
Netherlands
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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Identification of the preparation
Amorphus Alumino-silica gel

EC-No.
215-475-1 (=EINECS / ELINCS no.)

CAS-No.
1327 - 36 - 2

EEC-No.
N/A

Weight %
100

3. HAZARDS IDENTIFICATION

Most important hazards
None under normal Processing.

Specific hazards
Handling near flammable gases or vapours.
Active material absorbs gasses and vapours.
Risk of static discharges

4. FIRST AID MEASURES

General advice
No hazards which require special first aid measures.

Inhalation
Do not breathe dust. Move to fresh air.

Skin contact
Wash hands and face before breaks and immediately after handling the product. If skin irritation persists, call a physician.

Eyes
Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, contact a specialist.

Ingestion
Call a physician immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Standard procedure for chemical fires. The product itself does not burn

Extinguishing media which must not be used for safety reasons
Caution: Do not use high pressure.

Specific hazards:
Fire residue must be disposed of according to the national regulations. In case of fire the absorbed gases and vapours can be set free. Material is slippery: beads

Special protective equipment for fire fighting
None

Specific methods
Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
None

Environmental precautions
None reasonably foreseeable

Methods for cleaning up
Take up mechanically and collect in suitable container for disposal

7. HANDLING & STORAGE

Handling
Directions for safety handling: Avoid dust formation; good ventilation and aeration in the storage and working place. Material is slippery: beads

Storage
Keep containers dry and tightly closed to avoid moisture absorption and contamination.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Elements relating to working place to inspect limiting values
General dust limit: 4 mg/m³ (breathe in dust)

Engineering measure to reduce exposure
In case of dust formation ensure adequate ventilation, especially in confined areas.

Personal protection equipment
Respiratory protection: effective dust mask
Hand protection: protective gloves
Eye protection: safety glasses, eye shower
Skin and body protection: lightweight protective clothing

General hygiene measures
Note, that dealing with chemicals takes usual precautions. Wash hands before breaks and at the end of workday.

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9. PHYSICAL & CHEMICAL PROPERTIES

Aggregate

Solid

Form

Beads

Colour

White/brown

Odour

Odourless

Melting point/range

> 1000 °C

Bulk density

400 - 900 kg/m³

Explosion limit

Not applicable

Ignition point

Not applicable

Water solubility

Water insoluble

10. STABILITY & REACTIVITY

Stability

Stable up to 823 °C. Above this temperature Amorphous Silica will transform into Crystalline Silica

Conditions to avoid

Handling near flammable gasses or vapours. Active material adsorbs gases and vapours. Risk of static discharges

Materials to avoid

Not applicable

Hazardous decomposition products

In case of fire the adsorbed gases and vapours can be set free.

11. TOXICOLOGICAL INFORMATION

Local effects

None

Sensitisation

The product does not contain substances which at their given concentration are considered to be hazardous to health

Skin

No harmful effects are known. Does not penetrate skin

LD₅₀

Not registered

12. ECOLOGICAL INFORMATION

Mobility

Aquatic toxicity is unlikely due to low solubility

Persistence/degradability

Contains no substance known to be hazardous to the environment or not degradable in waste water treatment plants

Bioaccumulation

No information available

Ecotoxicity

No information available

Water pollution risk

No water endangering according to German legislation VwVwS of May 17, 1999

13. INSTRUCTIONS FOR REMOVAL

Removal of material

In accordance with local and national regulations. Used product may have different hazards or properties than the original product. This MSDS does NOT apply to spent/used product.

Waste disposal no.

European Waste disposal no: 101201

14. INFORMATION IN RELATION TO TRANSPORT

Land (Rail or Road). RID / ADR, class

Not classified by RID / ADR.

15. STATUTORY INFORMATION

Labelling according 548/67 and 379/88 EG

Not registered

Safety symbols

Not applicable

R(isk) sentences

Not applicable

S(afety) sentences

Not applicable

16. OTHER INFORMATION

Haffmans Drying Agent is no dangerous substance

Directive EG 548/67 and 379/88

Not spent activated carbon is not categorized as a substance and can be treated as industrial waste

Directive dangerous goods dangerous (BAGA, Netherlands)



HAFFMANS BV

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