

IMIDESIGN® S PRODUCTS

In accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product identifier

Commercial Product Name : **Imidesign® S**
CAS No. : 65997-16-2/7631-86-9

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

Main use category : Industrial use
Specific use(s) : Article

Identification of the company

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2. HAZARD IDENTIFICATION

Classification according to Regulation (EU) 1272/2008

CLP-Classification : Not applicable (article)
Mixture : CLP classification not requested

Classification according to EU Directives 67/548/EC or 1999/45/EC

Classification : Not applicable (article)
Not classified

Label elements

Labelling according to Regulation (EU) 1272/2008

Mixture : CLP classification not requested

Labelling according to Directives (67/548 - 1999/45)

Not applicable.

Other hazards

Other hazards which do not result in
Classification : Not applicable

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances

Not applicable

Mixtures

Substance name	Product identification	%	Classification according to Directive 67/584/EG
Cement, Alumina, Chemicals	(CAS-nr.) 65997-16-2 (EG-nr.) 266-045-5 (EC index) -		Not classified
Silicon Dioxide	(CAS-nr.) 7631-86-9 (EG-nr.) 231-545-4 (EC index) -		Not classified
Naam	Product identifier	%	Classification according to REgulation (EC) No. 1272/2008(CLP)
Cement, Alumina, Chemicals	(CAS-nr.) 65997-16-2 (EG-nr.) 266-045-5 (EC index) -		Not classified
Silicon Dioxide	(CAS-nr.) 7631-86-9 (EG-nr.) 231-545-4 (EC index) -		Not classified

Identification of the mixture : 18-20%Al₂O₃ – 22-24%CaO - 57-59%SiO₂ - <0,3%Fe₂O₃

4. FIRST AID MEASURES

Description of first aid measures

Inhalation : No adverse effects are expected.
 Skin contact : No adverse effects are expected.
 Eye contact : Rinse with water.
 Consult a physician if necessary.
 Ingestion : Drink 1 or 2 glasses of water.
 If you feel unwell, seek medical advice.
 Additional advice : When symptoms persist or in all cases of doubt seek medical advice.
 Treat symptomatically.

Most important symptoms and effects, both acute and delayed

Inhalation : Health injuries are not known or expected under normal use.
 Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
 Skin contact : Health injuries are not known or expected under normal use.
 Eye contact : Health injuries are not known or expected under normal use. Dust contact with the eyes can lead to mechanical irritation.
 Ingestion : Health injuries are not known or expected under normal use.

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Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or alcohol resistant foam.

Extinguishing media which shall not be used for safety reasons:

High volume water jet.

Special hazards arising from the substance or mixture

Fire Hazard : The product is not flammable.

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

Advice for firefighters

Advice for firefighters : Special protective equipment for firefighters.

6. ACCIDENTAL RELEASE MEASURES

Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Not applicable

Advice for emergency responders : Not applicable.

Environmental precautions

Environmental precautions : Not applicable

Methods and material for containment and cleaning up

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

Reference to other sections

See also section 13.

See also section 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling : Ensure adequate ventilation.
Avoid dust formation.
Avoid breathing excessive dust generated during cutting.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Storage : Keep in a dry and well-ventilated place.
Protect against water.
Regularly check for damage to packaging .
Avoid dust formation.

Specific end use(s)

No data available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure limit(s) : No data available

Component : Silicon Dioxide (7631-86-9)

TLV-TWA (mg/m³) : 1 (LV); 2 (ET); 4 (DE, AT, SV, CH)

Exposure controls

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : In the case of respirable dust and/or fumes, use self-contained breathing apparatus. (EN 137)

Hand protection : Protective gloves. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection : Safety glasses with side-shields conforming to EN166.

Skin and body protection : Overalls, apron and boots recommended.

Thermal hazard protection : Not required under normal use.

Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.
Avoid dust formation.
Organisational measures to prevent /limit releases, dispersion and exposure.

Environmental exposure controls : Do not flush into surface water or sanitary sewer system.
Comply with applicable Community environmental protection legislation.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	: Solid form
Colour	: Various
Odour	: Odourless
Odour threshold (ppm)	: None
pH	: Not applicable
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Explosion limits	: Not applicable
Vapour pressure	: Not applicable
Vapour density	: Not applicable
Density	: 1,55 g/cm ³ Bulk density
Water solubility	: Insoluble
Partition coefficient: n-octanol/water	: Not determined
Autoignition temperature	: Not applicable
Viscosity	: Not applicable
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable

Other information

Other data : No data available

10. STABILITY AND REACTIVITY

Reactivity

Reactivity : See also section incompatible materials.

Chemical stability

Stability : Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reactions : None known.

Conditions to avoid

Conditions to avoid : Avoid dust formation.

Incompatible materials

Incompatible materials : No data available

Hazardous decomposition products

Hazardous decomposition products : No data available

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11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity : Not classified

Silicon Dioxide (7631-86-9)

LD50/oral/rat > 3160 mg/kg

LD50/dermal/rat > 2000 mg/kg

Skin corrosion/irritation : Not classified
pH: Not applicable

Serious eye damage/irritation : Not classified
pH: not applicable

Respiratory/skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects : Ecological injuries are not known or expected under normal use.

Component: Silicon Dioxide (7631-86-9)

LC50/96h/fish : > 1000 mg/l (Brachydanio rerio)

IC50/72h/algae : 440 mg/l (Selenastrum capricornutum)

Persistence and degradability

Persistence and degradability : Not determined

Bioaccumulative potential

Bioaccumulation : Not determined

Partition coefficient: n-octanol/water : Not determined

Mobility in soil

Mobility : Not relevant

Results of PBT and vPvB assessment

PBT/vPvB : Not applicable

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Other adverse effects

Further information : No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues / unused products:
In accordance with local and national regulations.

Contaminated packaging:

In accordance with local and national regulations.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC):

Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

EU-Regulations

Authorisations/Restrictions on use : Not applicable.

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : None.

16. OTHER INFORMATION

Sources of key data used to compile the Datasheet : European Chemicals Bureau, MSDS supplier.

Abbreviations and acronyms:

ADNR	= Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
ADR	= Accord européen relatif au transport international des marchandises Dangereuse par Route
CLP	= Classification, Labelling and Packaging Regulation according to 1272/2008/EC
IATA	= International Air Transport Association
IMDG	= International Maritime Dangerous Goods Code
LEL	= Lower Explosive Limit/Lower Explosion Limit
UEL	= Upper Explosion Limit/Upper Explosive Limit
REACH	= Registration, Evaluation, Authorisation and Restriction of Chemicals persistent, bioaccumulating and toxic (PBT).

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vPvB
WGK

= very persistent and very bioaccumulating
= Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

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SAFETY DATASHEET

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