

INSULMOULD® 1400 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

Product identifier

Commercial Product Name : Insulmould® 1400

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

Main use category : Professional use
Specific use(s) : Sealant / mouldable

Identification of the company

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2. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008

CLP-Classification : The product is classified as hazardous in accordance with Directive 1272/2008/EEC.
Carc. 1B H350i
Full text of H-phrases : See section 16

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

Classification : The product is classified as dangerous in accordance with Directive 1999/45/EC.
Carc.Cat.1; R49
Full text of R-phrases : See section 16

Label elements

Labelling according to Regulation (EU) 1272/2008



Composition

Insulmould 1400 is a product manufacture by the Insulcon group on the basis of refractory ceramic fibres and binders. A small amount of other components such as water may be present.
Chemical composition: SiO₂ – 47-48% - Al₂O₃ 51-55%.

Use of the product

Restricted to “professional users”. Should not be sold directly to the general public.

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CLP pictograms : GHS08  

Signal word : Danger

Hazard statements (CLP) : H350i - May cause cancer by inhalation.

Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and understood.
P281 - Use personal protective equipment as required.

P308 + P313 - IF exposed or concerned: Get medical advice/ attention.

Labelling according to Directives (67/548 - 1999/45) Not relevant

Other hazards

Other hazards which do not result in

Classification : Results of PBT and vPvB assessment :
This information is not available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances Not applicable

Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Alumino silicate fibres substance listed as REACH Candidate	(CAS No.) 142 844-00-6 (EC No) 266-046-0 (EC Index) 650-017-00-8		Carc.Cat.2; R49

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alumino silicate fibres substance listed as REACH Candidate	(CAS No.) 142 844-00-6 (EC No) 266-046-0 (EC Index) 650-017-00-8		Carc. 1B, H350i

Full text of R-, H- and EUH-phrases: see section 16.

Identification of the mixture : BINDERS + fibres ->
Typical composition : SiO₂ (47-48%) – Al₂O₃ (51-55%)

4. FIRST AID MEASURES

Description of first aid measures

Inhalation : Move to fresh air. Drink 1 or 2 glasses of water.
If symptoms persist, call a physician.

Skin contact : Wash off with soap and water.
If skin irritation persists, call a physician.

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- Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.
- Ingestion : Do not induce vomiting without medical advice.
Obtain medical attention.
- Additional advice : First aider needs to protect himself. See also section 8 .
Show this safety data sheet to the doctor in attendance.
Treat symptomatically.

Most important symptoms and effects, both acute and delayed

- Inhalation : May cause irritation of respiratory tract. May cause nose, throat, and lung irritation. May cause cancer by inhalation.
- Skin contact : May be irritating.
- Eye contact : May cause eye irritation.
- Ingestion : Ingestion may provoke the following symptoms: Gastrointestinal disturbance.

Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons : None known.

Special hazards arising from the substance or mixture

Fire Hazard : Not combustible
Specific hazards : Not applicable

Advice for firefighters

Advice for firefighters : Special protective equipment for firefighters
In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Evacuate personnel to safe areas.
Ensure adequate ventilation.
Wear personal protective equipment.
See also section 8.
Respirator must be worn if exposed to dust.
Avoid dust formation.
Do not breathe dust.

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Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).
High efficiency particulate air filter (HEPA filter).
Do not create a powder cloud by using a brush or compressed air.
Do not flush into surface water or sanitary sewer system.
Dispose of in accordance with local regulations.

Reference to other sections

See also section 13. See also section 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling : Ensure adequate ventilation.
Use only in area provided with appropriate exhaust ventilation.
Wear personal protective equipment.
See also section 8.
Avoid dust formation.
Do not breathe dust.
Avoid contact with skin, eyes and clothing.

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.
Keep working clothes separately.

Conditions for safe storage, including any incompatibilities

Storage : Keep in properly labelled containers.
Keep in a dry, cool and well-ventilated place.
Regularly check for damage to packaging .

Packaging material : Store in original container.

Recommended packaging materials : Cardboard, film .

Specific end use(s)

No data available

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure limit(s) :

Component : **alumino silicate fibres (142 844-00-6)**
TLV-TWA (mg/m³) : f/ml: 0,5 (ES, DE); 0,2 (IT); 0,6 (FR); 2,0 (GB)

Recommended monitoring procedures: Concentration measurement in air

Exposure controls

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Respirator with a full face mask (EN136).
Respirator with a half face mask (EN140).
Recommended Filter type: P (EN143).

Hand protection : Wear suitable gloves. EN374

Eye protection : Safety glasses with side-shields EN 166

Skin and body protection : Use personal protective equipment.
Overalls, apron and boots recommended.

Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.
Regular cleaning of equipment, work area and clothing.
Use a suitable vacuum cleaner.
(High efficiency particulate air filter (HEPA filter))
Organisational measures to prevent /limit releases, dispersion and exposure See also section 7 .

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Paste

Flammability : None

Odour : None

Colour : Off-white

Melting point/range : > 1500°C

Flammability (solid, gas) : Non flammable

Density : Wet: 1350 kg/m³ / Dry: 675 kg/m³

Oxidising properties : Not applicable

Explosive properties : Not applicable

Other information

No data available

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10. STABILITY AND REACTIVITY

Reactivity

Reactivity : See also section 10.5

Chemical stability

Stability : Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reactions : None known.

Conditions to avoid

Conditions to avoid : Not applicable

Incompatible materials

Incompatible materials : Not applicable

Hazardous decomposition products

Hazardous decomposition products : None known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity : Not classified (Not classified due to data which are conclusive although insufficient for classification)

Skin corrosion/irritation : Not classified (Not classified due to data which are conclusive although insufficient for classification)

Serious eye damage/irritation : Not classified (Not classified due to data which are conclusive although insufficient for classification)

Respiratory/skin sensitisation : Not classified (Not classified due to data which are conclusive although insufficient for classification)

Germ cell mutagenicity : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Carcinogenicity : May cause cancer by inhalation.

Reproductive toxicity : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Specific target organ toxicity (single exposure) : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Specific target organ toxicity (repeated exposure) : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Aspiration hazard : Not classified (Not classified due to data which are conclusive although insufficient for classification.)

Further information : Symptoms related to the physical, chemical and toxicological characteristics
See section 4.2.

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12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects : Not hazardous
No special environmental precautions required.

Persistence and degradability

Persistence and degradability : No data is available on the product itself.

Bioaccumulative potential

Bioaccumulation : No data is available on the product itself.

Mobility in soil

Mobility : This information is not available.

Results of PBT and vPvB assessment

PBT/vPvB : This information is not available.

Other adverse effects

Further information : No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues / unused Products : Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Dispose of in accordance with local regulations.

Additional ecological information : Do not flush into surface water or sanitary sewer system.

Codes of waste (2001/573/EC, 75/442/EEC, 91/689/EEC) : Classified as hazardous waste according to European Union regulations.

The following Waste Codes are only suggestions : 17 06 03*
Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

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

EU-Regulations

Authorisations/Restrictions on use : Banned and/or restricted fibres

This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC. : Fibres

National regulations

DE : WGK: -

DE : TA-Luft: Carcinogenic substances

DE : Technische Regeln für Gefahrstoffe (TRGS): applicable

NL : ABM : 11 - Weinig schadelijk voor in het water levende organismen (B)

NL : NeR (Nederlandse emissie Richtlijn): Total dust

DA : At-vejledning C.2.1 (Kræftfarlige stoffer og materialer): fibres

NO : Produktforskriften (FOR 2004-06-01 nr 922): fibres

Chemical safety assessment

Chemical Safety Assessment: Not required

16. OTHER INFORMATION

Full text of R-, H- and EUH-phrases

Carc. 1B : Carcinogenicity (inhalation) Category 1B

H350i : May cause cancer by inhalation.

R49 : May cause cancer by inhalation.

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 Dangereuses 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

EC50 = Median Effective Concentration

LC50 = Median lethal concentration

LD50 = Median lethal dose

TLV = Threshold limits

TWA = time weighted average

STEL = Short term exposure limit persistent, bioaccumulating and toxic (PBT).

VPvB = Very persistent and very bioaccumulating

WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

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