

# INSULMOULD 1260

In accordance with EEC Commission Directive 2015/830/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

## 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

### 1.1. Product identifier

Product form : Mixtures  
Trade name/designation : **Insulmould 1260**  
Document no. : insulcon-05

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Restricted to professional users

1.2.2. Uses advised against : No data available

### Identification of the suppliers

#### INSULCON B.V.

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## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU 2015:  
According to Regulation (EU) 2015/830 (REACH Annex II)  
Not classified

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

Signal word : Danger  
Hazard statements (CLP) : H350i - May cause cancer by inhalation.  
Precautionary statements (CLP): P308+P313 - IF exposed or concerned: Get  
medical



advice/attention. P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read  
and understood.  
P281 - Use personal protective equipment as required

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## 3. COMPOSITION / INFORMATION OF INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Full text of H-statements: see section 16

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silicon dioxide	(CAS No) 7631-86-9 (EC no) 231-545-4	51 - 60	Not classified
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	45 - 50	Carc. 1B, H350i
Ethylene glycol	(CAS No) 107-21-1 (EC no) 203-473-3 (EC Index) 603-027-00-1	< 1	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

Additional advice	:	No data available.
Inhalation	:	Provide fresh air. Call a physician immediately.
Skin contact	:	Wash off with soap and water. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
On ingestion	:	Drink 1 or 2 glasses of water. If symptoms persist, call a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	:	May cause respiratory irritation. May cause cancer by inhalation.
Skin contact	:	May be irritating.
Eyes contact	:	May cause eye irritation.
Ingestion	:	The following symptoms may occur: Gastrointestinal disturbance.

### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

# INSULMOULD 1260

## 5. FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media : Suitable extinguishing media. Co-ordinate fire-fighting measures to the fire surroundings.  
Unsuitable extinguishing media: Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards : Evacuate personnel to a safe area. Temperature of crystallization = 900°C.

### 5.3. Advice for firefighters

Firefighting instructions : Special protective equipment for fire-fighters. In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers.  
Other information : Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

For non-emergency personnel : Provide adequate ventilation. Respirator must be worn if exposed to dust. Evacuate personnel to a safe area. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8.

#### 6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Provide adequate ventilation. Stop leak if safe to do so. Avoid dust formation. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Take up mechanically and collect in suitable container for disposal. Dispose of contaminated materials in accordance with current regulations. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Disposal: see section 13.

# INSULMOULD 1260

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Precautions for safe handling:

Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Do not breathe dust. After use replace the closing cap immediately. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time).

#### Hygiene measures:

Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke. Separate working clothes from town clothes.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures:

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep away from food, drink and animal feedingstuffs.

#### Packaging materials:

Keep only in the original container.

### 7.3. Specific end use(s)

No data available.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1. Control parameters

Silicon dioxide (7631-86-9)		
Austria	MAK (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (also Silica manufactured through wet process-inhalable fraction)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup> (respirable fraction) 4 mg/m <sup>3</sup>

Silicon dioxide (7631-86-9)		
Estonia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable dust)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (total inhalable dust) 2,4 mg/m <sup>3</sup> (respirable dust)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	18 mg/m <sup>3</sup> (calculated-total inhalable dust) 7,2 mg/m <sup>3</sup> (calculated-respirable dust)
Latvia	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>

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Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (total aerosol)
Slovenia	OEL TWA (mg/m <sup>3</sup> )	0,3 mg/m <sup>3</sup> (respirable fraction, fume)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup> (inhalable dust) 2,4 mg/m <sup>3</sup> (respirable dust)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	18 mg/m <sup>3</sup> (calculated-inhalable dust) 7,2 mg/m <sup>3</sup> (calculated-respirable dust)
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	1,5 mg/m <sup>3</sup> (respirable dust)
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	1,5 mg/m <sup>3</sup> (value calculated-respirable dust)
Switzerland	VME (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (inhalable dust, also manufactured in wet processing)
Australia	TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable dust)
USA - IDLH	US IDLH (mg/m <sup>3</sup> )	3000 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>

<b>Ethylene glycol (107-21-1)</b>		
EU	IOELV TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	40 ppm
Austria	MAK (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
Austria	MAK (ppm)	10 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	20 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Bulgaria	OEL TWA (ppm)	20 ppm
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Bulgaria	OEL STEL (ppm)	40 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	20 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	40 ppm
Cyprus	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Cyprus	OEL TWA (ppm)	20 ppm
Cyprus	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Cyprus	OEL STEL (ppm)	40 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>

## INSULMOULD 1260

<b>Ethylene glycol (107-21-1)</b>		
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> (vapor)
Denmark	Grænseværdie (langvarig) (ppm)	10 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup> (total concentration of aerosol and vapor)
Estonia	OEL TWA (ppm)	20 ppm (total concentration of aerosol and vapor)
Estonia	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (total concentration of aerosol and vapor)
Estonia	OEL STEL (ppm)	40 ppm (total concentration of aerosol and vapor)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	20 ppm
Finland	HTP-arvo (15 min)	100 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	40 ppm
France	VME (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup> (indicative limit-vapor)
France	VME (ppm)	20 ppm (indicative limit-vapor)
France	KZGW (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (indicative limit-vapor)
France	KZGW (ppm)	40 ppm (indicative limit-vapor)
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	Eight hours mg/m <sup>3</sup>	52 mg/m <sup>3</sup>
Gibraltar	Eight hours ppm	20 ppm
Gibraltar	Short-term mg/m <sup>3</sup>	104 mg/m <sup>3</sup>
Gibraltar	Short-term ppm	40 ppm
Greece	OEL TWA (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup> (vapor)
Greece	OEL TWA (ppm)	50 ppm (vapor)
Greece	OEL STEL (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup> (vapor)
Greece	OEL STEL (ppm)	50 ppm (vapor)
Hungary	AK-érték	52 mg/m <sup>3</sup>
Hungary	CK-érték	104 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (particulate) 52 mg/m <sup>3</sup> (vapour)
Ireland	OEL (8 hours ref) (ppm)	20 ppm (vapour)
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (vapour)
Ireland	OEL (15 min ref) (ppm)	40 ppm (particulate)
Italy	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	20 ppm
Italy	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Italy	OEL STEL (ppm)	40 ppm

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Latvia	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	20 ppm

<b>Ethylene glycol (107-21-1)</b>		
Lithuania	IPRV (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup> (aerosol and vapor)
Lithuania	IPRV (ppm)	10 ppm (aerosol and vapor)
Lithuania	TPRV (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (aerosol and vapor)
Lithuania	TPRV (ppm)	20 ppm (aerosol and vapor)
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Luxembourg	OEL TWA (ppm)	20 ppm
Luxembourg	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Luxembourg	OEL STEL (ppm)	40 ppm
Malta	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	20 ppm
Malta	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Malta	OEL STEL (ppm)	40 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup> (fume) 10 mg/m <sup>3</sup> (droplets)
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Portugal	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup> (indicative limit value)
Portugal	OEL TWA (ppm)	20 ppm (indicative limit value)
Portugal	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (indicative limit value)
Portugal	OEL STEL (ppm)	40 ppm (indicative limit value)
Portugal	OEL - Ceilings (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (aerosol only)
Romania	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	20 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	40 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	20 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	20 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	40 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup> (indicative limit value)
Spain	VLA-ED (ppm)	20 ppm (indicative limit value)
Spain	VLA-EC (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	40 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup> (aerosol and vapor)
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm (aerosol and vapor)
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (aerosol and vapor)
Sweden	kortidsvärde (KTV) (ppm)	40 ppm (aerosol and vapor)

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SAFETY DATASHEET

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United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (particulates) 52 mg/m <sup>3</sup> (vapour)
United Kingdom	WEL TWA (ppm)	20 ppm (vapour)

<b>Ethylene glycol (107-21-1)</b>		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (vapour) 30 mg/m <sup>3</sup> (calculated-particulate)
United Kingdom	WEL STEL (ppm)	40 ppm (vapour)
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (equal to the standard for nuisance dust-dust) 52 mg/m <sup>3</sup> (Total sum of limit values for both vapor and dust)
Norway	Grenseverdier (AN) (ppm)	52 ppm (Total sum of limit values for both vapor and dust-total dust and vapor)
Norway	Grenseverdier (Korttidsverdi) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (value from the regulation-dust)
Norway	Grenseverdier (Korttidsverdi) (ppm)	40 ppm (value from the regulation)
Switzerland	VME (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
Switzerland	VME (ppm)	10 ppm
Switzerland	KZGW (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Switzerland	KZGW (ppm)	20 ppm
Australia	TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (particulate) 52 mg/m <sup>3</sup> (vapour)
Australia	TWA (ppm)	20 ppm (vapour)
Australia	STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup> (vapour)
Australia	STEL (ppm)	40 ppm (vapour)
Canada (Quebec)	PLAFOND (mg/m <sup>3</sup> )	127 mg/m <sup>3</sup> (mist and vapour)
Canada (Quebec)	PLAFOND (ppm)	50 ppm (mist and vapour)
USA - ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (aerosol only)

## 8.2. Exposure controls

<b>Engineering measure(s)</b>	:	Provide sufficient air exchange and/or exhaust in work rooms. Use only in area provided with appropriate exhaust ventilation. Regular cleaning of equipment, work area and clothing. Use a suitable vacuum cleaner. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	:	Wear suitable gloves. EN374
Eye protection	:	Safety glasses with side-shields. EN 166
Body protection	:	Use personal protection equipment. Overalls, apron and boots recommended.



## INSULMOULD 1260

Respiratory protection	:	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable mask with particle filter P3 (European Norm 143). full face mask (DIN EN 136) (EN 136). Half-face mask (DIN EN 140) (EN 140)
Thermal hazard protection	:	Not required for normal conditions of use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Paste
Colour	:	white.
Odour	:	odourless.
Odour threshold	:	No data available
pH	:	Not applicable
Relative evaporation rate (butylacetate=1)	:	No data available
Melting / freezing point	:	> 1650 °C
Freezing point	:	No data available
Initial boiling point and boiling range	:	Not applicable
Flash point	:	The product is not flammable.
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	Not applicable
Vapour density	:	Not applicable
Relative density	:	No data available
Solubility	:	Water: Not applicable
Partition coefficient n-octanol/water	:	No data available
Kinematic viscosity	:	No data available
Dynamic viscosity	:	No data available
Explosive properties	:	Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	:	Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	:	Not explosive

#### 9.2. Other information

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Crystallization temperature = 800°C.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Silicon dioxide (7631-86-9)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 2,2 mg/l (Exposure time: 1 h)

Ethylene glycol (107-21-1)	
LD50/oral/rat	4700 mg/kg

Ethylene glycol (107-21-1)	
LD50/dermal/rat	> 3500 mg/kg (mouse)
LC50/inhalation/4h/rat	> 2,5 mg/l/6h

Skin corrosion/irritation : Not classified  
pH: Not applicable

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

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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## INSULMOULD 1260

<b>Ethylene glycol (107-21-1)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1500 mg/kg bodyweight

Reproductive toxicity : Not classified  
 STOT-single exposure : Not classified

<b>Ethylene glycol (107-21-1)</b>	
NOAEL (oral, rat, 90 days)	220 200 mg/kg bodyweight/day OECD Guideline 407
NOAEL (dermal, rat/rabbit, 90 days)	2220 mg/kg bodyweight/day OECD 410

Aspiration hazard : Not classified

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Environmental properties : Not hazardous. No special environmental measures are necessary.

<b>Silicon dioxide (7631-86-9)</b>	
LC50 fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
EC50 other aquatic organisms 1	440 mg/l (Exposure time: 72h - Species: Pseudokirchneriella subcapitata)

<b>Ethylene glycol (107-21-1)</b>	
LC50 fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
NOEC (chronic)	15380 mg/l @ 7d Pimephales promelas

#### 12.2. Persistence and degradability

<b>Insulmould 1260</b>	
Persistence and degradability	No data is available on the product itself.

<b>Ethylene glycol (107-21-1)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	90-100 % Experimental data

## INSULMOULD 1260

### 12.3. Bioaccumulative potential

Insulmould 1260	
Partition coefficient n-octanol/water	No data available

Alumino silicate fibres (142 844-00-6)	
Partition coefficient n-octanol/water	No data available

Silicon dioxide (7631-86-9)	
BCF fish 1	(no bioaccumulation expected)

Ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water	-1,93
Bioaccumulative potential	Does not bioaccumulate.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment ingredient

Alumino silicate fibres (142 844-00-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
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### 12.6. Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Product/Packaging disposal recommendations:

Handle with care. Safe handling: see section 7. Handling and storage. Dispose of as hazardous waste in compliance with local and national regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility.

#### Additional information:

Dispose of contaminated materials in accordance with current regulations.

#### Further ecological information:

Do not allow to enter into surface water or drains.

#### European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC):


Waste codes should be assigned by the user based on the application for which the product was used.

# INSULMOULD 1260

## 14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	3266	3266	Not applicable	3266
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>Transport document description</b>				
UN 3266	UN 3266 , 8	UN 3266 , 8		UN 3266,8

<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	8	Not applicable	8
Not applicable	Not applicable	Not applicable	Not applicable	
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

**14.6. Special precautions for user**

**- Overland transport**

Classification code (ADR) : C5  
 Hazard identification number (Kemler No.) : 80  
 Tunnel restriction code : E

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Inland waterway transport**

No data available

**- Rail transport**

No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

# INSULMOULD 1260

## 15. REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Ethylene glycol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Ethylene glycol
28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2	Alumino silicate fibres

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: Alumino silicate fibres (EC 266-046-0, CAS 142 844-00-6)

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference:

Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen :

alumino silicate fibres is listed

SZW-lijst van mutagene stoffen :

alumino silicate fibres is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

None of the components are listed

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## 15.2. Chemical safety assessment

Not required.

**For the following substances of this mixture a chemical safety assessment has been carried out**

Ethylene glycol

## 16. OTHER INFORMATION

### Abbreviations and acronyms:

ADN	=	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

Sources of key data used to compile the datasheet:

<http://ecb.jrc.ec.europa.eu> SDS Insulcon.

### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity Category 4
Carc. 1B	Carcinogenicity (inhalation) Category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.
H350i	May cause cancer by inhalation.
H373	May cause damage to organs through prolonged or repeated exposure