

GPE CB GASKETS

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 COMPANY

1.1. Product identifier

Trade name/designation: **GPE CB GASKETS**

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

1.2.1. Relevant identified uses

Industrial/Professional use spec: Professional uses

Use of the substance/mixture: thermal insulation

1.2.2. Uses advised against

No data available

Identification of the company

INSULCON B.V.

P.O. Box 134
4650 AC STEENBERGEN, The Netherlands
Zilverhoek 4, 4651 SP STEENBERGEN
Tel. : +31 (0)167-565750
Fax : +31 (0)167-566263
Internet : www.insulcon.com
E-mail: info@insulcon.com

KERAMAB N.V.

Belgium
Tel. : + 32 (0)3 711.02.78

INSULCON GMBH

Germany
Tel.: + 49 (0) 2131-408548-0

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixture/Substance: 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]

Extra phrases: EUH210 - Safety data sheet available on request

2.3. Other hazards

Other hazards: Results of PBT and vPvB assessment : Not applicable. Danger of dust explosion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

GPE CB GASKETS

3.2. Mixture

Substance name	Product identifier	%	Classification according Regulation (EC) No 1272/2008 (CLP)
Fiber glass substance with national workplace exposure limit(s) (BE)	(No. CAS) 65997-17-3 (N. EC) 266-046-0	50,2 - 54,3	Not classified
Polydimethylsiloxan substance with national workplace exposure limit(s) (RO)	(No. CAS) 9016-00-6 (N. EC) 618-493-1 (N. sostanza) -	24,4 - 28	Not classified
Calcium carbonate	(No. CAS) 471-34-1 (N. EC) 207-439-9	7 - 8	Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of H-statements: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

Additional advice:

First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person or a person with cramps. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Treat symptomatically.

Inhalation:

Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.

Skin contact:

Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

In case of ingestion:

Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation:

The following symptoms may occur: Inhalation of dust may cause irritation of the respiratory system.

Skin contact:

The following symptoms may occur: Contact with dust may cause mechanical irritation or drying of the skin.

GPE CB GASKETS

Eye contact:

The following symptoms may occur: Dust contact with the eyes can lead to mechanical irritation.

Ingestion:

The following symptoms may occur: Corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

No data available

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide (CO₂), powder, alcohol-resistant foam, hazy water.

Unsuitable extinguishing media:

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards:

Not flammable.

Explosion hazard:

Potential dust explosion hazard.

Hazardous decomposition products in case of fire:

Carbon oxides (CO, CO₂). Nitrogen oxides. Hydrocarbons.

5.3. Advice for firefighters

Precautionary measures fire:

Avoid dust formation. Evacuate area. Stop leak if safe to do so.

Firefighting instructions:

Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire-fighting water from entering environment. Knock down dust with water spray jet.

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information:

Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

GPE CB GASKETS

6.1.1. For non-emergency personnel

For non-emergency personnel:

Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately grounded. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders:

Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up:

Stop leak if safe to do so. Dam up the solid spill. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation. Avoid dust formation. Knock down dust with water spray jet.

6.4. Reference to other sections

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

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. Do not breathe dust. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools.

Handling temperature:

< 800 °C

Hygiene measures:

Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

GPE CB GASKETS

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. Relative air humidity (%) (<65%).

Incompatible substances or mixtures:

Strong acids.

Storage temperature:

<= 27 °C

Packaging materials:

Keep only in the original container.

7.3. Specific end use(s)

No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Fibre Glass (65997-17-3)

Belgium Limit value (mg/m³) 10 mg/m³ (dust and fiber)

Polydimethylsiloxan (9016-00-6)

Romania OEL TWA (mg/m³) 60 mg/m³
200 mg/m³ (regulated under Polydimethyl siloxane oil)

Romania OEL STEL (mg/m³) 80 mg/m³ 300 g/m³(regulated under Polydimethyl siloxane oil)

Calcium carbonate (471-34-1)

Bulgaria OEL TWA (mg/m³) 10,0 mg/m³

France VME (mg/m³) 10 mg/m³

Latvia OEL TWA (mg/m³) 6 mg/m³

Poland NDS (mg/m³) 10 mg/m³ (<2% free crystalline silica-inhalable fraction)

Portugal OEL TWA (mg/m³) 10 mg/m³ (particulate matter containing no Asbestos and <1% Crystalline silica)

Switzerland VME (mg/m³) 3 mg/m³ (respirable dust)

Australia TWA (mg/m³) 10 mg/m³ (containing no asbestos and <1% crystalline silica-inhalable dust)

Canada (Quebec) VEMP (mg/m³) 10 mg/m³ (total dust)

USA – NIOSH NIOSH REL (TWA) (mg/m³) 10 mg/m³ (total dust)
5 mg/m³ (respirable dust)

GPE CB GASKETS

Additional information:

Personal air monitoring. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering control measures:

Provide adequate ventilation. Organizational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7 . Apply measures to prevent dust explosions. Ensure equipment is adequately grounded.

Personal protection equipment:

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

Hand protection:

Wear chemically resistant gloves (tested to EN374) . Suitable material: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances

Eye protection:

Use suitable eye protection. (EN166): Eye glasses with side protection

Body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Effective dust mask (EN 149). Half-face mask (EN 140). Full face mask (EN 136). Filter type: P (EN 143)

Thermal hazard protection:

Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls:

Avoid release to the environment. Comply with applicable Community environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Dust. solid.
Colour	:	red.
Odour	:	odourless.
Odour threshold	:	No data available
pH	:	Not applicable
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point/freezing point	:	> 650 °C Fiber glass

GPE CB GASKETS

Freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	232 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	200 °C
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	No data available
Solubility	:	Water: Insoluble
Partition coefficient		
n-octanol/water	:	No data available
Kinematic viscosity	:	No data available
Dynamic viscosity	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Safe handling: see section 7.

10.5. Incompatible materials

Strong acids. Safe handling: see section 7.

10.6. Hazardous decomposition

Reference to other sections: 5.2.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Not classified (Based on available data, the classification criteria are not met)

GPE CB GASKETS

Calcium carbonate (471-34-1)	
LD50/oral/rat	6450 mg/kg
LD50/dermal/rat	> 2000 mg/kg (OECD 402)
LD50/dermal/rabbit	(OECD 404) Not applicable
LC50/inhalation/4h/rat	> 3 mg/l (OECD 403)

Skin corrosion/irritation:

Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

Serious eye damage/eye irritation:

Not classified (Based on available data, the classification criteria are not met)
pH: Not applicable

Respiratory or skin sensitisation:

Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity:

Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity:

Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity:

Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure:

Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure:

Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard:

Not classified (Based on available data, the classification criteria are not met)

Other information:

Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Environmental properties:

According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

GPE CB GASKETS

Polydimethylsiloxan (9016-00-6)

LC50 fish 1 > 10000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

LC50 fish 2 > 10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Calcium carbonate (471-34-1)

LC50 fish 1 > 200 mg/l (Poecilla latipina)

EC50 Daphnia 1 > 1000 ml/l (LC50 for Daphnia magna)

IC50, algae >14 mg/l (72 hours, EC50 for Desmodesmus subspicatus)

12.2. Persistence and degradability

GPE CB GASKETS

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

GPE CB GASKETS

Partition coefficient n-octanol/water No data available

Bioaccumulative potential No data available.

Calcium carbonate (471-34-1)

BCF fish 1 (no bioaccumulation)

12.4. Mobility in soil GPE CB GASKETS

Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment GPE CB GASKETS

Results of PBT assessment

No data available

12.6. Other adverse effects

Other adverse effects:

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal recommendations:

Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling.

Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

List of proposed waste codes/waste designations in accordance with EWC (2001/573/EC, 75/442/EEC, 91/689/EEC):

This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

GPE CB GASKETS

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND (NA = not applicable)

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
NA	NA	NA	NA	NA
14.2. UN proper shipping name				
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
14.3. Transport hazard class(es)				
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA
14.4. Packing group				
NA	NA	NA	NA	NA
14.5. Environmental hazards				
NA	NA	NA	NA	NA

14.6. Special precautions for user

Special precautions for user:

No data available

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

Code: IBC:

No data available.

GPE CB GASKETS

15. ADDITIONAL REGULATORY INFORMATION

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
3330.text	Fabrication du verre, y compris de fibres de verre, avec une capacité de fusion supérieure à 20 tonnes par jour	A	3

Germany

VwVwS Annex reference:

Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

German storage class (LGK):

LGK 13 - Non-combustible solids

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

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

TA Luft:

5.2.1 Total Dust, including Micro Dust

Netherlands

SZW-lijst van kankerverwekkende stoffen:

Fiber glass is listed

SZW-lijst van mutagene stoffen:

Fiber glass 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

15.2. Chemical safety assessment

16. OTHER APPLICABLE INFORMATION

Abbreviations and acronyms:

ABM = Algemene beoordelingsmethodiek
 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
 BTT = Breakthrough time (maximum wearing time)
 DMEL = Derived Minimal Effect level
 DNEL = Derived No Effect Level
 EC50 = Median Effective Concentration
 EL50 = Median effective level
 ErC50 = EC50 in terms of reduction of growth rate
 ErL50 = EL50 in terms of reduction of growth rate
 EWC = European waste catalogue
 LC50 = Median lethal concentration
 LD50 = Median lethal dose
 LL50 = Median lethal level
 NA = Not applicable
 NOEC = No observed effect concentration
 NOEL: no-observed-effect level
 NOELR = No observed effect loading rate
 NOAEC = No observed adverse effect concentration
 NOAEL = No observed adverse effect level
 N.O.S. = Not Otherwise Specified
 OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
 PNEC = Predicted No Effect Concentration
 Quantitative structure-activity relationship (QSAR)
 STOT = Specific Target Organ Toxicity
 TWA = time weighted average
 VOC = Volatile organic compounds
 WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet:
 Supplier Info LOLI. Calculation method.

GPE CB GASKETS

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H315	Causes skin irritation.
H319	Causes serious eye irritation.
EUH210	Safety data sheet available on request.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.