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*****PROPOSAL*******SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture
 Trade name/designation : PC® 56 KOMP.B
 Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Main use category : Professional use
 Use of the substance/mixture : Additive

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

PCE-Pittsburgh Corning Europe
 Albertkade 1
 3980 TESSENDERLO - BELGIUM
 T +32 (0)13 661 721 - F +32 (0)13 667 854
safetydepartment@pce.be - www.foamglas.com

1.4. Emergency telephone number

Emergency number : +32 (0)13 661 721
 Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Irrit. 2 H315

Eye Dam. 1 H318

STOT SE 3 H335

Full text of H statements : see section 16

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word : Danger

Hazardous ingredients : Cement, portland, chemicals; Flue dust, portland cement

Hazard statements (CLP) : H315 - Causes skin irritation.



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Precautionary statements (CLP) :

H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

: P261 - Avoid breathing dust.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P305+P351+P338+ P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Other hazards : PBT/vPvB data : Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).
(H317: Not applicable.)
--> Observe the expiry date.

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cement, portland, chemicals	(CAS-No.) 65997-15-1 (EC-No.) 266-043-4	> 50	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335
Flue dust, portland cement	(CAS-No.) 68475-76-3 (EC-No.) 270-659-9 (REACH-no) 2119486767-17-XXXX	1 - 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 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. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

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.

Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. Get medical advice/attention.

Ingestion : Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get medical advice/attention.

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

Inhalation : May cause respiratory irritation. The following symptoms may occur: Cough. Sore throat.

Skin contact : Causes skin irritation. The following symptoms may occur: Dry skin. Redness.

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- Eyes contact : Causes serious eye damage. The following symptoms may occur: Redness, pain. May cause severe burns.
- Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Abdominal pain. Burning sensation.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
- Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Specific hazards : Not combustible.
- Hazardous decomposition products in case of fire : No data available.

5.3. Advice for firefighters

- Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.
- 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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel**

- For non-emergency personnel : Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Evacuate personnel to a safe area. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe dust. Avoid dust formation.

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.

6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so.
- Methods for cleaning up : Avoid dust formation. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

- Precautions for safe handling : Use only in well ventilated areas. 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. Avoid dust formation. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains.



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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. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity. Keep away from : Water, humidity.

Packaging materials : Keep only in the original container.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cement, portland, chemicals (65997-15-1)		
Austria	MAK (mg/m ³)	5 mg/m ³ (dust-inhalable fraction)
Belgium	Limit value (mg/m ³)	1 mg/m ³ (without asbestos fibers and <1% crystalline silicas)-alveolar dust)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ (total dust, inhalable particles) 4 mg/m ³ (respirable dust)
Finland	HTP-arvo (8h) (mg/m ³)	5 mg/m ³ (inhalable dust) 1 mg/m ³ (respirable dust)
Hungary	AK-érték	10 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	1 mg/m ³ (respirable fraction)
Ireland	OEL (15 min ref) (mg/m ³)	3 mg/m ³ (calculated-respirable fraction)
Latvia	OEL TWA (mg/m ³)	6 mg/m ³ (Cement)
Poland	NDS (mg/m ³)	6 mg/m ³ (inhalable fraction) 2 mg/m ³ (the concentration of the respirable Crystalline silica fraction is determined simultaneously-respirable fraction)
Portugal	OEL TWA (mg/m ³)	10 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica)
Romania	OEL TWA (mg/m ³)	10 mg/m ³ (dust, inhalable fraction)
Spain	VLA-ED (mg/m ³)	4 mg/m ³ (this value is for the particulate matter that is free from Asbestos and contains less than 1% of crystalline Silica)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (inhalable dust) 4 mg/m ³ (respirable dust)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-inhalable dust) 12 mg/m ³ (calculated-respirable dust)
Switzerland	MAK (mg/m ³)	5 mg/m ³ (dust, inhalable dust)
Australia	TWA (mg/m ³)	10 mg/m ³ (containing no asbestos and <1% crystalline silica-inhalable dust)
Canada (Quebec)	VEMP (mg/m ³)	10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust) 5 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable dust)
USA - ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
USA - IDLH	US IDLH (mg/m ³)	5000 mg/m ³



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Cement, portland, chemicals (65997-15-1)		
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Flue dust, portland cement (68475-76-3)		
Austria	MAK (mg/m ³)	5 mg/m ³ (dust, inhalable fraction)

Additional information : Personal air monitoring :. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Organisational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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.

Hand protection : Wear chemically resistant gloves (tested to EN374) . Suitable material: Nitrile rubber. Thickness. Not determined. Breakthrough time : Not determined. The exact break through time can be obtained from the protective glove producer and this has to be observed. 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 : tightly fitting safety goggles (EN166). Dust protection eye glasses

Body protection : Wear suitable protective clothing. Impervious clothing. Wear suitable coveralls to prevent exposure to the skin

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Short term exposure : Full face mask (EN 136). Half-face mask (DIN EN 140). Filter type: P2 (EN143). Long term exposure : Self-contained breathing apparatus

Thermal hazard protection : Not required for normal conditions of use.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state : Solid

Appearance : Powder.

Colour : Grey.

Odour : Characteristic.

Odour threshold : No data available

pH : > 12 (DIN 19261) @ 20°C (Contact with water)

Relative evaporation rate (butylacetate=1) : No data available

Melting / freezing point : No data available

Freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : No data available

Flammability (solid, gas) : Not flammable

Vapour pressure : Not applicable.

Vapour density : Not applicable.

Relative density : No data available

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Density	: 1400 kg/m ³ (@20°C)
Solubility	: Water: 1,5 g/l @ 20°C
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable
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	: No data available

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity**10.1. Reactivity**

None under normal conditions. Reference to other sections: 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing. React in contact of acids. Reacts on exposure to water (moisture) with (some) metals : Attacks light metals (Al, Zn) releasing hydrogen gas.

10.4. Conditions to avoid

Avoid dust formation. Exposure to moisture. See also section 7 : Handling and storage.

10.5. Incompatible materials

Acids. Alloy. Light metals. See also section 7 : Handling and storage.

10.6. Hazardous decomposition products

Exposure to moisture. + Alloy).

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met.)
Skin corrosion/irritation	: Causes skin irritation. pH: > 12 (DIN 19261) @ 20°C (Contact with water)
Serious eye damage/irritation	: Causes serious eye damage. pH: > 12 (DIN 19261) @ 20°C (Contact with water)
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	: May cause respiratory irritation.
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. Reference to other sections: 4.2.

*****PROPOSAL*******SECTION 12: Ecological information****12.1. Toxicity**

Environmental properties : Ecological injuries are not known or expected under normal use.
 Ecology - water : May cause pH changes in aqueous ecological systems

12.2. Persistence and degradability

PC® 56 KOMP.B	
Persistence and degradability	Poorly biodegradable.

12.3. Bioaccumulative potential

PC® 56 KOMP.B	
Partition coefficient n-octanol/water	No data available

12.4. Mobility in soil

PC® 56 KOMP.B	
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

PC® 56 KOMP.B	
Results of PBT assessment	Not applicable

12.6. Other adverse effects

Additional information : Do not allow to enter into surface water or drains

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product/Packaging 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.

Additional information : Control of the curing time : 5-6h. Results. waste concrete and concrete sludge.

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) : The following Waste Codes are only suggestions:
 10 13 11 - wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
 10 13 14 - waste concrete and concrete sludge
 Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



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ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
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
No supplementary information available				

14.6. Special precautions for user**- Overland transport**

No data available

- 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

SECTION 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:

47. Chromium VI compounds	PC® 56 KOMP.B
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Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 %

15.1.2. National regulations

Germany : UVV/BGV: VBG119 Gesundheitsgefährlicher mineralischer Staub

France Installations classées: Not applicable.

Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

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)

Netherlands

Waterbezwaarlijkheid : B (4) - Weinig schadelijk voor in het water levende organismen

SZW-lijst van kankerverwekkende stoffen : Cement, portland, chemicals, Flue dust, portland cement are listed

SZW-lijst van mutagene stoffen : Cement, portland, chemicals, Flue dust, portland cement are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed



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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

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

Flue dust, portland cement

SECTION 16: Other information

Indication of changes:

2.2	Precautionary statements (CLP)	Modified	
2.2	Label elements	Modified	
3.2	Composition	Modified	
4.2	Effects - Symptoms	Modified	
4.3	Indication of any immediate medical attention and special treatment needed	Modified	
6.3	For containment	Modified	
7.2	Heat and ignition sources	Modified	
8.1	Exposure limits	Added	
8.2	Body protection	Modified	
8.2	Eye protection	Modified	
8.2	Hand protection	Modified	
10.6	Hazardous decomposition products	Modified	
14	Transport information	Modified	
15.1	REACH Annex XVII	Removed	
15.1	Waterbezwaarlijkheid	Modified	
15.2	Chemical safety assessment	Modified	
16	Indication of changes	Modified	
16	Training advice	Added	
16	Sources of key data used to compile the datasheet	Modified	

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

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	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 : European Chemicals Agency, Ioli, INCHEM. MSDS from Supplier 49PK11944-b.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Other information : Assessment/classification CLP. Article 9. Calculation method.

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, hazard category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
 Classification according to Regulation (EC) No. 1272/2008 [CLP]
 Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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