Material Safety Data Sheet

According to (EC) regulation No 453/2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers

Product name **Precipitated Calcium Carbonate**

Synonyms calcite, calcium carbonate

Identification no. Index No.: -, **Number** WE: 207-439-9, CAS: 471-34-1

Reach no. Pre-registered, final registration 31.07.2014 r.

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

Identified uses Filler for rubber and plastics. Filler for paints, adhesives, sealants and varnishes.

Advised against not specified

1.3. Details of the supplier of the safety data sheet

Company: Zakłady Chemiczne ANSER Sp. z o.o.
ul. J. Conrada 7, 01-922 Warszawa
tel/fax: (+48) 46 856 73 40 mob: (+48) 664422321

1.4. Emergency telephone number
112 (24h operating)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2. Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3. Other hazards
None according to PBT or vPvB according to attachement XIII REACH regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	Composition	Id. Numbers		
		No. CAS	No. WE	No index
Calcium carbonate	97,5 - 100%	471-34-1	207-439-9	-

Composition according to specification.

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

In case of eye contact

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

Substance is non-inflamable.

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Keep in a dry place. hygroscopic

7.3 Specific end uses

No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Other non-toxic industrial dusts

NDS 10 mg/m^3

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment:

Eye/face protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal exposure: none

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearence:	White powder possible grey shades (20^0C i 1013 hPa).
• Odour:	none
• Odour treshold:	no data available
• pH:	8–10,2 (in water)
• Melting point/Freezing point:	decomposition without melting above 800°C
• Initial boiling point and boiling range:	no data available, decomposition above 800 °C
• Flash point:	non-inflammable
• Evaporation rate:	no data available
• Flammability (solid, gas):	non-inflammable
• Explosive limits:	not applicable
• Vapour pressure:	not applicable
• Vapour density:	not applicable
• Relative density:	2,7 g/cm^3 w 25°C
• Water solubility:	soluble: 0,0166 g/l (Walker & White, 2010).
• Partition coefficient: n-octanol/water	no data available
• Autoignition temperature:	none
• Decomposition temperature:	around 825°C
• Viscosity:	not applicable
• Explosive properties:	no data available
• Oxidizing properties:	no data available

9.2 Other safety information
no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity in standard conditions

10.2 Chemical stability

Substance is stable in standard conditions

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Exposure to moisture may affect product quality.

10.5 Incompatible materials

Strong oxidizing agents, Acids, Magnesium, Aluminium

10.6 Hazardous decomposition products

Carbon dioxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

LD50 (rat, oral)	>2000 mg/kg (Bradshaw J (2008))
LC50 (rat, inhalation)	>3 mg/l4h (Schuler D (2010))
LD50 (rat, skin)	2000 mg/kg (Bradshaw J (2010a))

Skin corrosion/irritation
Skin - rabbit - No skin irritation - OECD Test Guideline 404

Serious eye damage/eye irritation
Eyes - rabbit - Mild eye irritation - OECD Test Guideline 405

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: FF9335000

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity:

- fish *Lepomis macrochirus* LC50 > 100% saturation (96h) (Priestly SL (2010a))
- invertebrates *Daphnia magna* EC50 > 100% saturation (96h) (Priestly SL (2010b))

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Properties PBT and vPvB according to XIII attachement are not applicable to inorganic substances.

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

According to Polish regulation: 27 IV 2001 r. Law of Waste (2001 r. no 62, pos. 628).

14. TRANSPORT INFORMATION

14.1 UN number	not applicable
14.2 UN proper shipping name	not applicable
14.3 Transport hazard class(es)	not applicable
14.4 Packaging group	not applicable

14.5 Environmental hazards non-hazardous for environment

14.6 Special precautions for user unknown

14.7 Bulk transport according to attachement II Convention MARPOL 73/78 and IBC code

No data available.

15. REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and EC 453/2010

15.2. Chemical Safety Assessment

No data available.

16. OTHER INFORMATION

Shortcuts information

vPvB – very Persistent and very Bioaccumulative

PBT – Persistent, Bioaccumulative and Toxic

NDS – maximum concentration

LD50 – median lethal dose

LC50 – median lethal concentration

EC50 – half maximal effective concentration

Literature references anddata sources

Database of European Commission Joint Research Centre.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.