

GYPSUM

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

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Chemical name: Calcium sulfate dihydrate.**The registration number:** 01-2119444918-26-0176.**1.2. Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses:** Like gypsum.**Uses advised against:** Not determined.**1.3. Details of the supplier of the safety data sheet****Supplier:** Huta Cynku "Miasteczko Śląskie" S.A.**Address:** Poland; PL 42-610 Miasteczko Śląskie; Hutnicza 17 Str.**Telephone/Fax:** +48 32 2888 444 (central) / +48 32 2888 687/885**E-mail address** of the person responsible for the SDS: hcm@hcm.com.pl**1.4. Emergency telephone number**

112 (emergency call), 998 (fire brigade), 999 (ambulance)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation 1272/2008/EC:****Hazards to man:** Does not meet the criteria of classification.**Hazards to environment:** Does not meet the criteria of classification as dangerous for the environment.**Hazard from physical and chemical properties:** Does not meet the criteria of classification.**2.2. Label elements****Label accordance with Regulation 1272/2008/EC (CLP)****Hazard pictograms, signal words:** None.**Hazard statements:** None.**Precautionary statements:** None.**The names of hazardous ingredients on the label:** None.**2.3. Other hazards**

No information on meeting the criteria for PBT or vPvB in accordance with Annex XIII of Regulation 1907/2006 (REACH). Tests have not been carried out.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Substance name:	Calcium sulphate x 2 H₂O*
Concentration [%]:	97.9 (convert to dry mass)
CAS Number:	7778-18-9
EC Number:	231-900-3
Index Number:	-
Classification 1272/2008/EC:	-

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Substance name:	Calcium carbonate*
Concentration [%]:	1.43 (convert to dry mass)
CAS Number:	471-34-1
EC Number:	207-439-9
Index Number:	-
Classification 1272/2008/EC:	-

In section 16 stated the meaning of H-phrases and symbols.

*Substance is not classified in Annex VI, Table 3.1 of Regulation 1272/2008.

Contents of other contaminants <0.02 %.

3.2. Mixtures

Not applicable.

SECTION 4: First aid measures**4.1. Description of first aid measures**

Recommendations apply to exposure of dust forming after work with gypsum.

Inhalation: Move the affected person to fresh air and keep rested. Seek medical advice if necessary.

Skin contact: Remove contaminated clothing. Flush contaminated skin with plenty of water. Seek medical advice if necessary (e.g. features of the skin irritation).

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 15 minutes. Seek medical advice if necessary.

Ingestion: Rinse the mouth out with water. Induce vomiting immediately as directed by medical personnel. Seek medical advice if necessary. Drinking glycerin, gelatin solutions, or large volumes of water may delay the hardening of gypsum in the stomach.

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

Inhalation: Exposure to high concentrations of dust may cause respiratory irritation with coughing and shortness of breath.

Skin contact: May cause irritation with redness and pain.

Eye contact: May cause irritation with redness and pain.

Ingestion: May cause obstruction in stomach, as it hardens after contact with moisture. Symptoms include stomach pain, distress.

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

Remove affected person from the contaminated product of the environment. In the event of health problems, consult your doctor or the center of toxicological concern. Provide the information contained in the SDS. If unconscious do not give anything by mouth.

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

Suitable extinguishing media: Use standard extinguishing media. Extinguishing media adapt to surrounding area.

Unsuitable extinguishing media: Not specified.

5.2. Special hazards arising from the substance or mixture

Product not combustible. In case of combustion hazardous products may be formed: sulfur oxides. Avoid inhalation of combustion products, because they may pose a health risk.

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5.3. Advice for firefighters

Wear full protective equipment and self-contained breathing apparatus with independent air circulation. Containers exposed to fire or high temperature cool with water and if possible remove from the danger zone. Collect mechanically. Protect drains, surface waters and soil from pollution.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Access of non-emergency personnel to the area of accident should be restricted until the completion of the disposal of the product. Wear appropriate personal protective equipment. Avoid dust generation.

For emergency responders: Wear appropriate personal protective equipment. Avoid dust generation.

6.2. Environmental precautions

Secure the gullies. Prevent contamination of surface water and ground. In the event of any serious pollution of the environment, notify the appropriate administrative authority, control and rescue services. The used containers should be disposed by delivering to eligible organizations.

6.3. Methods and material for containment and cleaning up

Protect damaged containers. Vacuuming or wet sweeping may be used to avoid dust dispersal. Collected product put in a substitute container and refer to the destruction or re-use.

6.4. Reference to other sections

Disposal - see Section 13. Personal protective equipment - see Section 8.

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

Do not eat, drink, smoke or take drugs at work. Remove contaminated clothing and clean before reuse. Do not empty into drains. Wash your hands before break and after working with the product. Avoid creating dust. Observe directions on label and instructions for use.

7.2. Conditions for safe storage, including any incompatibilities


Keep in properly labeled, factory sealed container, with a label which complies with current regulations. Store in a cool, dry and well ventilated place. Keep away from diazomethane, aluminum and phosphorus.

7.3. Specific end use(s)

Like gypsum.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

Substance name	TWA	STEL	BLV
<u>Calcium sulphate (gypsum)</u> [CAS: 7778-18-9] -inhalable fraction	10 mg/m^3 (PL)	-	-
<u>Calcium carbonate</u> [CAS: 471-34-1] - inhalable fraction	10 mg/m^3 (PL)	-	-

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Legal basis: Ordinance on maximum permissible concentration and intensity of harmful factors in the work environment in accordance with national limit values. EH40/2005 Workplace exposure limits, fourth edition, published 2020, ISBN 978 0 7176 6733 8.

Monitoring procedures:

Use methods described in European Standards.

8.2. Exposure controls

Mandatory general regulations on occupational health. Do not allow to exceed the normative concentrations of hazardous constituents in the workplace. After work, wash and clean the surface of the body and clothing. Do not eat, drink, smoke or take drugs at work. Remove contaminated clothing and clean before reuse. Wash hands and face before break and after working with the product. Avoid contact eyes and skin. Maintain eye wash fountain and quick-drench facilities in work area. Do not inhale dusts.

Eye/face protection: Wear suitable protective glasses and protection of the face (in accordance with EN 166) in terms of exposure to product dust. Maintain eye wash fountain in work area.

Skin Protection: Wear suitable gloves (in accordance with EN 374). Wear suitable clothes with long sleeves and legs. Maintain quick-drench facilities in work area.

Respiratory protection: If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

Thermal Hazards: Usually is not required.

Used personal protective equipment should meet the requirements of local/regional/national laws. The employer must provide personal protective equipment appropriate to the type of work and in accordance with all requirements, including maintenance and cleaning.

Concentrations of hazardous substances in the workplace should be monitored in accordance with acknowledged test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Environmental exposure controls: The large amount of product should not be allowed to penetrate through the ground water, sewage, waste water or soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	<u>Solid</u>
Colour:	<u>Cream-coloured</u>
Odour:	<u>Odourless</u>
Melting point/freezing point:	<u>Not specified</u>
Boiling point or initial boiling point and boiling range:	<u>Not specified</u>
Flammability:	<u>Not combustible</u>
Lower and upper explosion limit:	<u>Not available</u>
Flash point:	<u>Not available</u>
Auto-ignition temperature:	<u>Not available</u>

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<u>Decomposition temperature:</u>	<u>Not specified</u>
<u>pH:</u>	<u>Not specified</u>
<u>Kinematic viscosity:</u>	<u>Not specified</u>
<u>Solubility:</u>	<u>Soluble in water 2.4 g/l</u>
<u>Partition coefficient n-octanol/water (log value):</u>	<u>Not available</u>
<u>Vapour pressure:</u>	<u>Not available</u>
<u>Density and/or relative density:</u>	<u>Not specified</u>
<u>Relative vapour density:</u>	<u>Not applicable</u>
<u>Particle characteristics:</u>	<u>Not specified</u>

9.2. Other information**9.2.1. Information with regard to physical hazard classes**Not specified.**9.2.2. Other safety characteristics**

Granulometric analysis of dry gypsum:	>250 mm	3 %
	0.125-250 mm	2.8 %
	0.063-0.125 mm	5.7 %
	<0.063 mm	88.5 %

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

May react with diazomethane, aluminum, phosphorus.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not specified.

10.4. Conditions to avoid

Avoid moisture.


10.5. Incompatible materials

Keep away from diazomethane, aluminum, phosphorus.

10.6. Hazardous decomposition products

None under normal conditions of use and storage.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity:** Based on available data, the classification criteria are not met.**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**Carcinogenicity:** Based on available data, the classification criteria are not met.**Reproductive toxicity:** Based on available data, the classification criteria are not met.**STOT - single exposure:** Based on available data, the classification criteria are not met.**STOT - repeated exposure:** Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not specified.

11.2.2. Other information

Inhalation: Exposure to high concentrations of dust may cause respiratory irritation with coughing and shortness of breath.

Skin contact: May cause irritation with redness and pain.

Eye contact: May cause irritation with redness and pain.

Ingestion: May cause obstruction in stomach, as it hardens after contact with moisture. Symptoms include stomach pain, distress.

SECTION 12: Ecological information

12.1. Toxicity

Not classified as hazardous for the environment.

12.2. Persistence and degradability

Not specified.

12.3. Bioaccumulative potential

Not specified.

12.4. Mobility in soil

Slightly soluble in water, slightly mobile in soil.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Endocrine disrupting properties

Not specified.

12.7. Other adverse effects

Not specified.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

During removal of waste comply with the regional / national laws.

Community legislation:


- Directive **2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.
- European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

Disposal methods for the product: Do not introduce into the environment. Disposal in accordance with the local/national legislation.

Disposal methods for used packing: Product and containers and disposal in accordance with the local/national legislation.

SECTION 14: Transport information

	ADR	RID	AND	IMDG	ICAO TI
<u>14.1. UN number or ID number</u>			None		
<u>14.2. UN proper shipping name</u>			None		
<u>14.3. Transport hazard class(es)</u>			None		

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14.4. Packing group	<u>None</u>
14.5. Environmental hazards	<u>Not specified</u>
14.6. Special precautions for user	<u>During cargo handling use personal protective equipment - see Section 8.</u>
14.7. Maritime transport in bulk according to IMO instruments	<u>Not specified</u>

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Commission Regulation (EU) 2017/542 of 22 March 2017 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures by adding an Annex on harmonised information relating to emergency health response.

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2. Chemical safety assessment

There are no data on the chemical safety assessment.

SECTION 16: Other information

The full text of statements H under Sections 2 and 3:

None.


Key to abbreviations and acronyms:

BLV - Biological limit values.

STEL - Short-term exposure limit.

TWA - 8 hours' time-weighted average.

Training advice: Before use read the SDS.

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Sources of key data:

SDS - in Polish (27.04.2012)

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are also treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above also of improper compliance with the law norms in the field.

Prepared by ISOTOP Consulting Company; **www.isotop.pl**; e-mail: **reach@isotop.pl**

SDS from 15.05.2015 (Version 2) has been revised in sections 2.1, 2.2, 3.1, 3.2, 5.2, 5.3, 6.1, 6.2, 6.3, 8.1, 8.2, 9.1, 9.2, 11.1, 11.2, 12.6, 12.7, 13.1, 14.1, 14.2, 14.3, 14.4, 14.5, 14.6, 14.7, 15.1 and 16. Changes have been underlined.

This SDS replaces and annuls all the previous versions.