

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

[Prepared in accordance with the Regulation EC 1907/2006 (REACH) as amended]

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Hermetic – glue

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

Relevant identified uses: gluing glass and basalt gaskets to the fireplace body, connecting fireclay elements of fireplaces and furnaces;

Uses advised against: not determined

1.3 Details of the supplier of the safety data sheet

Manufacturer: DORTECH.EU Magdalena Jargas

Address: ul. Rozwojowa 45 B, 33-100 Tarnów

Telephone: + 48 609 605 195

E-mail address of the person responsible for the safety data sheet: biuro@dortech.eu, tadeusz.martyna@dortech.eu

1.4 Emergency telephone number

112 (emergency telephone in general), 998 (fire department), 999 (emergency ambulance service)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

The product is not classified as posing a risk to human health or the environment.

2.2 Label elements

Pictogram and signal word

none

Hazard statements

none

Precautionary statements

none

2.3 Other hazards

Components of the product do not meet the PBT/vPvB criteria according to REACH Regulation, annex XIII and are not assessed as having endocrine disrupting properties.

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

CAS: 14808-60-7 EINECS: 238-878-4 Index number: - Registratrion number: -	<u>quartz</u> ¹ the substance is not classified as hazardous	5-15%
CAS: 56-81-5 EINECS: 200-289-5 Index number: - Registratrion number: -	<u>glycerol</u> ¹ the substance is not classified as hazardous	1- 5%
CAS: 1310-73-2 EINECS: 215-185-5 Index numer: 011-002-00-6 Registratrion number: 01-2119457892-27 -XXXX	<u>Sodium hydroxide</u> ¹ Met Corr. 1 H290, Skin Corr. 1A H314	< 0,5%

1 - substance with a nationally defined value of maximum concentration in the working environment
Full text of H-phrases in section 16.

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: Remove contaminated clothing. Wash exposed skin areas thoroughly with water. Consult a doctor, if disturbing symptoms occur.

Eye contact: protect non-irritated eye, remove contact lenses. Rinse contaminated eyes thoroughly with water for 10-15 minutes. Avoid strong stream of water - risk of damage of corneal. Consult an ophthalmologist, if disturbing symptoms occur.

Ingestion: do not induce vomiting. Rinse the mouth with water. Never put anything in the mouth of an unconscious person. Do not try to neutralize. Do not administer active carbon. Seek immediately medical advice, show packaging or label.

Inhalation exposure: consult a doctor if disturbing symptoms occur. Move the exposed individual from the area to fresh air, keep warm and calm.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: redness, tearing, blurred vision, burning sensation.

Skin contact: in case of a prolonged contact, it may cause redness, burning, dryness of the skin.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: non-flammable product, adjust extinguishing media to surrounding materials.

Unsuitable extinguishing media: water jet – risk of flame propagation.

5.2 Special hazards arising from the substance or mixture

Harmful gases containing carbon oxides may be formed during combustion. Avoid inhalation of combustion products, it may cause health risk.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not let used extinguishing water enter sewage, surface and ground waters.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access of bystanders to the breakdown area until appropriate cleaning operations are completed. In case of large spills, isolate the endangered area. Use personal protective measures. Avoid eyes and skin contamination. Do not inhale vapors of the product. Ensure adequate ventilation. Make sure that the failure and its effects are removed only by the trained personnel.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect the product using liquid-absorbing materials (e.g. sand, earth, universal binders, silica, etc.) and place in labelled containers. Treat the collected material as waste. Clean and ventilate the contaminated area well.

6.4 Reference to other sections

Product waste management - see section 13. Personal protection equipment - see section 8.

Section 7: Handling substances and mixtures and their storage

7.1 Precautions for safe handling

Work in accordance with the safety and hygiene rules. Avoid eyes and skin contamination. Do not inhale vapors of the product. Wash your hands before break and after work. Keep the unused containers tightly closed. Ensure proper ventilation of the room where the product is used. Use personal

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in tightly sealed packages in a dry, cool and well-ventilated place. Keep away from food and animal feed. Protect against heat and direct exposure to sunlight. Do not store together with incompatible materials (see subsection 10.5). Protect against frost.

7.3 Specific end use(s)

No information about other uses than the mentioned in the subsection 1.2.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Specification	NDS	NDSch	NDSP	DSB
quartz [CAS 14808-60-7]	0,1 mg/m ³	—	—	—
sodium hydroxide [CAS 1310-73-2]	0,5 mg/m ³	1 mg/m ³	—	—
glycerol-inhalable fraction [CAS 56-81-5]	10 mg/m ³	—	—	—

Legal basis: Journal of Laws 2018 item. 1286 as amended.

Recommended monitoring procedures

Monitoring procedures have to be followed at concentrations of dangerous components in the air and monitoring procedures for air purity in the workplace – if available and justified for the given position - in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and the appropriate measurement methodology adapted to working conditions. The mode, type and frequency of tests and measurements should comply with the requirements of the MZ (Health Minister) Regulation of 2 February 2011 (Journal of Laws No. 33, item 166 as amended).

8.2 Exposure controls

Industrial hygiene

Observe the general rules of safety and hygiene. Do not eat or smoke while working. Wash hands thoroughly before breaks and after work. Avoid eyes and skin contamination. Ensure general and / or local ventilation in the workplace. Do not allow vapors to concentrate in the air and to create concentrations within the explosive limits or exceeding the maximum permissible concentration (NDS).

Personal protective equipment

The necessity to use and the choice of appropriate personal protective equipment should take into consideration the nature of the risk posed by the product, the conditions at the workplace and the manner of handling of the product. The personal protective equipment used must meet with the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meet all quality requirements, including their maintenance and cleaning.

Any contaminated or damaged personal protective equipment must be replaced immediately.

Hand and body protection

Wear alkali-resistant protective gloves with a level of efficacy of 2 or more (breakthrough time > 30 min.). Recommended glove material: butyl rubber. Wear workwear.

The glove material has to be impermeable and resistant to the product. The choice of material selection should take into consideration the breakthrough times, permeation- and degradation rate.

Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. The glove producer should provide detailed information regarding the exact breakthrough time and the information should be observed.

Eye protection

Safety glasses are recommended in case of the risk of eye contamination.

Respiratory protection

Not required in case of sufficient ventilation.

Thermal hazards

Not applicable.

Environmental exposure controls

Avoid releases to the environment, do not empty into drains. Possible emissions from the ventilation systems and process equipment should be checked to determine their compliance with environmental law requirements.

Section 9: Physical and chemical properties

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

9.1 Information on basic physical and chemical properties

Aggregation state	semi-liquid paste
Colour	grey
Smell	characteristic
Melting point / freezing point	not determined
Boiling point or initial boiling point and range	ca. 100 °C
Flammability of materials	not applicable
Lower and upper explosive limits	not determined
Flash point	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	not determined
pH	10-11
Kinematic viscosity	not determined
Solubility	soluble in water
N-octanol/water partition coefficient	not determined
Vapor pressure	not determined
Density or relative density	1,5-1,6 g/cm ³
Relative vapor density	not determined
Particle characteristics	not applicable

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is reactive. Product does not undergo a dangerous polymerization. See also subsections 10.3 - 10.5.

10.2 Chemical stability

The product is stable under normal conditions of handling and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

Avoid exposure to strong heating and direct sunlight. Protect against frost.

10.5 Incompatible materials

Strong acids, strong oxidizers.

10.6 Hazardous decomposition products

Not known.

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on acute and / or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the knowledge and experience of the manufacturer.

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.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (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.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation and ingestion. See subsection 4.2 for more information on the impact of each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Not known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Not known.

Interactive effects

Not known.

11.2 Information on other hazards

Endocrine disrupting properties

The components of the mixture are not classified as endocrine disrupting substances.

Other information

Not known.

Section 12: Ecological information

12.1 Toxicity

The product is not classified as dangerous for the environment

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

The product doesn't include bioaccumulative components.

12.4 Mobility in soil

Low mobility in soil.

12.5 Results of PBT and vPvB assessment

The product does not contain components that meet the PBT or vPvB criteria according to Annex XIII of the REACH Regulation.

12.6 Factors disrupting the functioning of the endocrine system.

The product components are not classified as endocrine disrupting substances.

12.7 Other adverse effects

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

Product does not contribute to global warming or ozone depletion.

Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the mixture: dispose of in accordance with applicable regulations. Do not dispose of with municipal waste. Store the remains in original containers. The waste code should be assigned at the place of its production.

Disposal methods for used packagings: recovery / recycling / disposal of packaging waste should be carried out in accordance with applicable regulations. Only completely emptied packages may be recycled.

EU legal acts: Directives of the European Parliament and of the Council: 2008/98 / EC as amended and 94/62 / EC as amended.

National legal acts: Journal of Laws of 2013, item 21 as amended. Journal of Laws of 2013, item 888 as amended.

Section 14: Transport information

14.1 UN or ID number

Not applicable. Product is not classified as dangerous during transport.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.1 Special precautions for user

Not applicable.

14.2 Sea transport in bulk in accordance with IMO instruments

Not applicable.

Section 15: Regulatory information

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

Act of February 25, 2011 on chemical substances and their mixtures (Journal of Laws of 2011, No. 63, item 322, as amended). Regulation of the Minister of Labor and Social Policy of 12 June 2018 on the maximum allowable concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286, as amended).

ADR agreement on the international carriage of dangerous goods by road. **Waste Act of December 14, 2012** (Journal of Laws 2013, item 21, as amended).

Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws 2013, item 888, as amended).

Regulation of the Minister of Climate of 2 January 2020 on the waste catalog (Journal of Laws 2020, item 10).

Regulation of the Minister of Health of February 2, 2011 on tests and measurements of factors harmful to health in the work environment (Journal of Laws 2011, No. 33, item 166, as amended).

2000/39/ EC Commission Directive of 8 June 2000 establishing the first list of indicative exposure limits to external factors at work in relation to the implementation of Council Directive 98/24 / EEC on the protection of the health and safety of workers from the risks related to chemical agents in the workplace.

2006/15/EC Commission Directive of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24 / EC and amending Directives 91/322 / EEC and 2000/39 / EC.

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

2009/161/EU Commission Directive of 17 December 2009 establishing a third list of occupational exposure indicative values for the implementation of Council Directive 98/24 / EC and amending Commission Directive 2000/39 / EC.

2017/164/EU Commission Directive of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24 / EC and amending Commission Directives 91/322 / EEC, 2000/39 / EC and 2009/161 / UE.

2019/1831/EU Commission Directive of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24 / EC and amending Commission Directive 2000/39 / EC.
2016/425/EU Regulation of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686 / EEC.

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

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

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

1272/2008/EC Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labeling 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.

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

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

15.2 Chemical safety assessment

It is not necessary to carry out a chemical safety assessment for the mixture.

Section 16: Other information

Full text of the H-phrases mentioned in section 3

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes eye irritation.

Abbreviations and acronyms:

NDS	The maximal permissible concentration
NDSCh	The one-time maximum permissible concentration
NDSP	The maximum permissible ceiling concentration
DSB	Permissible concentration in biological material
PBT	Persistent, bioaccumulative and toxic
vPvB	Substancje bardzo trwałe i o bardzo dużej zdolności do bioakumulacji
Skin Irrit. 2	Skin irritation, category 2
Eye Irrit. 2	Eye irritation, category 2
Met. Corr 1	Substance or mixture corrosive to metals, category 1
Skin Corr. 1A	Skin corrosion, category 1A

SAFETY DATA SHEET

Hermetic

Date of issue: 25.07.2021

Version:
3.0/EN

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

The procedures used to classify the mixture:

The classification was based on physico-chemical data of the mixture and the content of hazardous components by use of the calculation method based on the guidelines of Regulation 1272/2008 / EC (CLP), as amended.

Additional information

Changes compared to the previous version: section:1,3,5,6,7,8,9,11,12,13,15,16

Card issued by: Theta Consulting Ltd.

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