

Material Safety Data Sheet - Non-Ferrous Foundry Plaster

In compliance with Regulation (EC) 1907/2006 & amendment
Regulation (EC) 2020/878, and Regulation (EC) 1272/2008 (CLP)

Revision date

12.08.2022

Version

08

3.2 Impurities

Controlling additives which are not hazardous at the level of addition.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: P305 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Inhalation: P304 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Ingestion: P301- If swallowed, do not induce vomiting, seek medical advice immediately and show this document.

Skin Contact: P302 – After contact with skin, wash immediately with plenty of soap and water.

4.2 Most important symptoms and effect, both acute and delayed

No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

All types of extinguishing media are suitable

5.2 Special hazards arising from the substance or mixture:

Non combustible. However some packaging materials will burn.

5.3 Advice for Firefighters:

No specific fire fighting protection is required.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4 Reference for other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques please contact your supplier or check the Good Practise Guide referred to in section 16.

Do not eat or drink in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

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7.2 Conditions for safe storage, including any incompatibilities
Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3 Specific end uses
If you require advice on specific uses please contact your supplier or check the Good Practice Guide referred to in section 16.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust)
The Workplace exposure limit (WEL), for the below materials applies to the UK. For the equivalent limits in other countries consult your local regulatory authority.

Workplace Exposure Limit

Substance	Total inhalable	Respirable
Calcium Sulphate Hemihydrate	10mg/m ³ 8hr TWA	4mg/m ³ 8hr TWA
Diatomite	1.2mg/m ³ 8hr TWA	0.1mg/m ³ 8hr TWA
Wollastonite	10mg/m ³ 8hr TWA	4mg/m ³ 8hr TWA
White Cement	10mg/m ³ 8hr TWA	4mg/m ³ 8hr TWA

8.2 Exposure controls

8.2.1 *Appropriate engineering controls*

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering control methods to keep airborne levels below the specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personal from dusty areas. Wash hands before breaks and at the end of the day. Remove and wash soiled clothing

8.2.2 *Individual protection measures such as personal protective equipment*

- Eye protection Safety glasses with side shields. Use equipment for eye protection tested and approved under appropriate standards.
- Skin protection No specific requirement. For hands see below.
- Hand protection Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.
- Respiratory protection In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment (e.g., dust mask, respirator, powered air respirator) that complies with the requirements of European or national legislation.

8.2.3 *Environmental exposure controls*

Avoid wind dispersal

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light Pink
Odour	Odourless
Odour threshold	Not relevant
pH	7.0
Melting point	Not applicable
Density	0.55g/cm ³
Grain shape	Angular

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	Solubility in water	High
	Solubility in hydrofluoric acid	Yes
9.2	Other information	
	No other information	
10	STABILITY AND REACTIVITY	
10.1	Reactivity	
	Inert, not reactive	
10.2	Chemical Stability	
	Chemically stable	
10.3	Possibility of hazardous reactions	
	No hazardous reactions	
10.4	Conditions to avoid	
	Not relevant	
10.5	Incompatible materials	
	No particular incompatibility	
10.6	Hazardous decomposition products	
	Not relevant	
11.	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
a)	Acute toxicity	No evidence of acute toxicity.
b)	Skin corrosion/irritation	Substance is not corrosive, may cause mechanical irritation.
c)	Serious eye damage/irritation	May cause mechanical irritation.
d)	Respiratory or skin sensation	May cause irritation.
e)	Germ cell mutagenicity	No evidence of mutagenicity
f)	Carcinogenicity	No classification for carcinogenicity.
g)	Reproductive toxicity	No evidence of reproductive toxicity
h)	STOT-single exposure	Not classified
i)	STOT-repeated exposure	Not classified
j)	Aspiration hazard	Based on available data, the classification criteria are not met
12.	ECOLOGICAL INFORMATION	
12.1	Toxicity	Not relevant
12.2	Persistence and degradability	Not relevant
12.3	Bioaccumulative potential	Not relevant
12.4	Mobility in soil	Negligible
12.5	Results of PBT and vPvB assessment	Not relevant
12.6	Other adverse effects	No specific adverse effects known
13	DISPOSAL CONSIDERATIONS	
13.1	Waste treatment methods	
	Product	Where possible, recycling is preferable to disposal. Disposal should be carried out in compliance with local regulations.
	Packaging	Dust generation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Disposal of packaging should be carried out in compliance with local regulations by an authorized waste management company.

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14. TRANSPORT INFORMATION

14.1	UN number	Not relevant
14.2	UN proper shipping name	Not relevant
14.3	Transport hazard classes	
	ADR	Not classified
	IMDG	Not classified
	ICAO/IATA	Not classified
	RID	Not classified
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not relevant
14.6	Special precautions for user	No special precautions
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not relevant

15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	<i>National legislation/requirements</i>	
	<i>International legislation/requirements</i>	
15.2	Chemical safety assessment	No chemical safety assessment has been carried out by the supplier

16. OTHER INFORMATION

- (i) Abbreviations and acronyms
EC: European Commission
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals and Substances
TWA: Time Weighted Average
STOT: Specific Target Organ Toxicity
PBT: Persistent, Bioaccumulative, Toxic
vPvB: very Persistent and very Bioaccumulating
EC- European Commission
- (ii) Key literature references and sources for data
EH40/2005 Workplace exposure limits (Third edition, 2018)
- (iii) Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
- (iv) Relevant Precautionary phrases and/or Hazard statements (number and full text)
P301- If swallowed, do not induce vomiting, seek medical advice immediately and show this document.
P302 – After contact with skin, wash immediately with plenty of soap and water.
P304 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.
P305 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- (v) Training advice
All employees should be given adequate training in the proper use and handling of this product and any precautions and protective equipment required under applicable regulations.
- (vi) Further information
EH44/1997 - Dust: General Principles of Protection.
HSG37 - An Introduction to Local Exhaust Ventilation.

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