

Material Safety Data Sheet_ FENOCHEM – Phenol Moulding Compounds**1. IDENTIFICATION****1.1 Substance/ Preparation identification**

Product name: FENOCHEM - Phenol Moulding Compounds – ALL GRADES
Intended/recommended use: Raw material for thermosetting plastics

1.2 Company identification

Company address :

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2. HAZARD IDENTIFICATION**2.1 Classification**

No hazardous product as specified in Directive 67/548/CE and 1999/45/CE .

2.2 Potential health hazard

Prolonged inhalation may cause irritation for mucous membranes and respiratory system.

Prolonged contact with the skin may cause localized irritation.

2.3 Potential physical hazard

If mixed with air, may cause inflammable/explosive mixtures (see point 7).

2.4 Hazards for environment

No hazards known.

2.5 Other information

Product has no labelling requirement (see point 15).



3. COMPOSITION/ INFORMATION ON INGREDIENTS**3.1 Chemical characterization**

Composition : Condensed novolak resin with wood flour and inert mineral filler.

Chemical name	CAS_N°	EC_N°	Concentration (%)	Hazard code (1)	Risk phrases (2)
Novolak-resin	9003-35-4	//	30 - 45	//	//
Wood flour	//	//	30 - 40	//	//
Hexamine	100-97-0	202-905-8	1 - 3	F, Xn	11-42/43
Calcium Hydroxide	1305-62-0	//	< 1	Xi	37-38-41
Mineral charge	14807-96-6	//	0 - 20	//	//
Calcium Carbonate	471-34-1	//	0 - 10	//	//
Zinc Stearate	557-05-1	//	Max 1	//	//

¹Hazard codes: Canc 3 = Cancer, Category 3; T+ = Very toxic; T = Toxic; C = Corrosive; Xn = Harmful; Xi = Irritating; E = Explosive; O = Oxidising; F+ = Extremely flammable; F = Very flammable; N = Dangerous for the environment.

²The full text of the phrase is listed under heading 16.

4. FIRST AID MEASURES**4.1 General advice**

No special measure required.

In case of accident or if you feel unwell, seek medical advice and show this sheet where possible.

Never give any food or drink to an unconscious person.

4.2 Inhalation

In case of trouble, take the person in open air; If trouble persists, consult a medical.

4.3 Skin contact

Wash with soap and water. If irritation persists, consult a medical.

4.4 Eye contact

Wash with plenty of water. If irritation persists, consult a medical.

4.5 Ingestion

Wash out mouth thoroughly, drink a lot of water, consult a medical.

5. FIRE FIGHTING MEASURES**5.1 Suitable extinguishing media**

The material is self-extinguishable.

In case of necessity may be used: water spray, foam, powder and CO₂.

Extinguishing media which shall not be used: high volume water jet.

5.2 Dangerous products of thermal decomposition

The product does not burn easily, but for thermal decomposition, some toxic fumes composed of CO₂, CO, NOX, CH₂O, NH₃ will give off.

5.3 Safety equipment

Wear protective garments and breathing mask.



6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

See recommendation point 8.

6.2 Environmental precautions

Do not release in sewerage system or in any watercourse.

6.3 Methods for cleaning up

Collect by mechanical means and dispose in according to local regulations and national legislation.

6.4 Other indications

For information relating to the handling, see point 7.

For information on protective equipment, see point 8.

For information on disposal, see point 13.

7. HANDLING AND STORAGE

7.1 Handling

Avoid to generate powder.

Phenol moulding compounds, in the form of finely divided dust may pose a risk of explosion when mixed with air at concentrations of about 70 mg / l.

7.2 Storage

Store in original packaging, in a cool and dry place (storage temperature: max 25 ° C; Relative humidity: <50%). Keep packaging closed, in well-ventilated area and away from sunlight and moisture.

7.3 Other data

None.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 Precautionary measures to minimize worker exposure

Assure adequate ventilation, in order to maintain the concentration of powders below the limits of exposure.

Exposition limits for work place:

WOOD FLOUR

ACIGH TLV : 5 mg/m³_ STEL 10,0 mg/m³;

OSHA PEL : 15 mg/m³ (total dust) – 5 mg/m³ (respirable fraction)

CALCIUM HYDROXIDE

ACIGH TLV : 5 mg/m³ ; OSHA PEL: 15 mg/m³

8.2 Exposure controls

All work should be carried out in accordance with strict hygiene practises. All work should take place in suitable premises, in accordance with the existing legislation and regulations. Avoid raising dust.

8.3 Personal protective equipment

- *respiratory protection:* Anti-powder mask.
- *hand protection:* Chemical-resistant gloves (e.g. Nitrile gloves), certified according to EN 374, should be used to prevent skin contact.
- *eye protection:* Safety goggles, safety face shield.



8.3 Personal protective equipment _ continued

- *skin protection:* Protective clothing should be used to prevent skin contact.
- *Environmental exposure controls:* Waste and spillage should be disposed off according to local regulations and national legislation. Avoid releasing to the environment. Prevent material to enter sewer system. The product has a low biodegradability. Prevent contamination of soil and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

- *Appearance :* Granules
- *Colour :* Black
- *Odour :* faint odor of ammonia
- *pH (20°C):* Not applicable
- *Boiling point :* Not applicable
- *Melting point :* about 100 °C
- *Vapour pressure :* Not applicable.
- *Vapour density :* Not applicable.
- *Flammability :* No
- *Auto ignition temperature :* > 600 ° C (self-extinguishable)
- *Explosive properties :* Explosive mixtures of vapors, dust and air may be formed
- *Density ([kg./m³) :* > 600
- *Partition coefficient: n-octanol/water :* Not known
- *Viscosity:* Not applicable.
- *Evaporation rate :* Not applicable.
- *Solubility in water (20°C) :* Insoluble
- *Solubility in alcohol (20°C) :* Insoluble
- *Solubility in ketone (20°C) :* Insoluble

10. STABILITY AND REACTIVITY

10.1 Condition to avoid

Do not store the material at temperature higher than 25 °C and with relative humidity higher than 50 %.

10.2 Substances to avoid / hazardous reactions

None.

10.3 Hazardous decomposition products

See point 5.

11. TOXICOLOGICAL INFORMATION

11.1 Inhalation

Can cause irritations to respiratory apparatus.

11.2 Ingestion

Can cause irritations to mouth, pharynx and gastrointestinal apparatus.

11.3 Skin contact

Powders can be irritant for particular sensitive subjects.

11.4 Eye contact

Powders can cause eyes irritations.

11.5 Toxicity

LD₅₀ oral rat > 4000 mg./kg.



11.6 Other data

No hazardous product as specified in Directive 67/548/CE. According to our present knowledge, no adverse health effects are expected when the product is handled and used with due care and attention, in the intended field of application.

12. ECOLOGICAL INFORMATION**12.1 Eco_toxicity**

Not available.

12.2 Mobility and bioaccumulative potential

No bioaccumulation is to be expected.

12.3 Persistence and degradability

The product has a low biodegradability

12.4 Other information

Water hazard class 1 (D) (*Self classification*): slightly dangerous for water. Do not allow undiluted or large amounts into the groundwater, surface water or drains.

13. DISPOSAL CONSIDERATION**13.1 Advised disposal**

Burn in incinerator or dispose in dumping, accordingly to local regulations.

12 00 00	Wastes from shaping and physical and mechanical surface treatment of metals and plastics.
12 01 00	
12 01 99	Wastes not otherwise specified

14. TRASPORT INFORMATION**14.1 Land transport (ADR/RID)**

Product isn't classified, according to transport regulations for dangerous goods.

14.2 Marine transport (IMO/IMDG)

Product isn't classified, according to transport regulations for dangerous goods.

14.3 Air transport (IATA)

Product isn't classified, according to transport regulations for dangerous goods.

15. REGULATORY INFORMATION**15.1 Classification**

Product isn't hazardous material according to Directives 67/548/CE and 199/45/CE.

15.2 Labeling requirement

Not subject to labeling in accordance with CE Directives.

15.3 Hazard class for water

Water hazard class WGK 1 (*Self classification*): slightly dangerous for water.



16. OTHER INFORMATION

The information in this safety data sheet is based upon our present knowledge. The information is presented with the intention of describing the safest way of handling the product. The safety data sheet is therefore not to be regarded as a complete chemical description of the product. Consequently, the user is responsible for making sure that the product is meant to be used in the actual field of application and that it serves the purpose intended.

R-phrase referred to under heading 3:**Hexamine (Hexamethylenetetramine)**

R 11: Highly flammable

R 42/43 : May cause sensitization by inhalation and skin contact

Calcium Hydroxide

R 37: Irritating to respiratory system

R 38 : Irritating to skin

R 41: Risk of serious damage to eyes

The safety data sheet has been revised according to *CE directives:*

European Regulation 1907/2006, Reach

