

Safety Data Sheet according to regulation (CE) No.1272/2008

MICRODUO

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1. **Product identifier:** MICRODUO

1.2. **Normal use:** MORTAR

1.3. Details of the company/undertaking:

Company : PINTURAS KILNHER
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2. HAZARD IDENTIFICATION

2.1. Classification:

The classification of the product was made by adapting its provisions to Regulation (EC) nº1907 / 2006 (REACH) according to R. D. 1802/2008 and has been made pursuant to Regulation nº1272 / 2008 (CLP).

Causes skin irritation, Categoría 2 (Irrit. Piel 2, H315)

Causes serious eye damage,, Categoría 1 (Daño Ocular 1, H318) May cause an allergic skin reaction, Categoría 1 (Sensi Piel 1, H317) May cause respiratory irritation Categoría 3 - (STOT SE 3) H335

2.2. Elementos de la etiqueta:

According to the legislation labeling elements they are:

Reglamento nº1272/2008 (CLP): DANGER



GHS07



GHS05

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H335: May cause respiratory irritation

P261: Avoid breathing dust

P280: Wear protective gloves/protective clothing/eye protection.

P312: Call a POISON CENTER or a doctor if you feel unwell.

P501: Dispose of contents/container to in accordance with local regulation. Preferably mix the product with water for hardening

P302+352: IF ON SKIN: Wash with plenty of water

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

2.3. Danger :

Not relevant

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3. Composition /Information about components

Chemical description

Identificación	Regulation 1272/2008	Concentration
CEMENT CAS: 65997-15-1 EC : 266-043-4	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335	15-40 %

4. Primeros auxilios

4.1. Descripción de los primeros auxilios

Symptoms as a result of poisoning can occur after exposure, so, in case of doubt, direct exposure to chemical or persistent discomfort seeks medical attention, showing the MSDS of this product.

Inhalation:

In the event of massive inhalation ensure the patient has plenty of fresh air, and keep them at rest.

By contact with skin:

If the powder is dry, remove as much as possible and wash with plenty of water. If the powder is mixed, wash with plenty of water.

By contact with eyes:

Wash thoroughly with clean water for 15 minutes holding the eyelids open. Seek medical advice if the discomfort continues.

By swallowing:

If the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. If the quantity is large, do not allow the patient to drink and do not make them vomit. Take the person to a hospital and show the product label or MSDS.

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

No symptoms or acute or delayed.

4.3. Indication of immediate medical attention and special treatment needed immediately:

Not relevant.

5. Fire-fighting measures

5.1. Suitable fire extinguishing elements: The product does not exclude the use of any specific fire extinguishing agents.

5.2. Extinguishing systems that should not be used: All extinguishing agents are allowed

5.3. Special risks: Dangerous products may result from combustion or thermal decomposition: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be harmful to health.

5.4. Protection equipment: Depending on the size of the fire in question, use heat-resistant protective suits, independent respiratory equipment, gloves, boots and goggles or face masks. If fire protection equipment is not available or not used, put the fire out from a protected location or a safe distance. The EN469 standard stipulates basic protection for chemical incidents.

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Other recommendations: Sprinkle water over tanks, cisterns and containers close to the heat source or fire to cool them. Take wind direction into account. Prevent fire fighting products from going into drains, sewers or waterways.

6. Measures to take in the event of accidental spills

- 6.1. Individual precautions: Refer to protective measures listed in sections 7 and 8. Avoid direct contact with the product.
- 6.2. Precautions for environmental protection: Prevent any discharge into drains or waterways. If the product contaminates ground water, rivers or drains, alert the relevant authorities in accordance with statutory procedures. In the event of major spillage, clean up the spill mechanically.
- 6.3. Clean-up/cleaning methods: Mechanical clean-up. Eliminate waste recovered in accordance with applicable regulations (see section 13). Clean the stained area with plenty of water.

7. Handling and storage

Regulations relating to storage premises apply to workshops where the product is handled.

7.1. Handling:

People with a history of skin sensitization should not handle this product. Block access to unauthorized persons. Follow workplace protection regulations. Avoid contact with skin and eyes. Smoking, eating and drinking is forbidden in facilities where product is used.

7.2. Storage:

Keep container tightly closed in a dry place between 5-40 °C. Never open the containers under pressure. T^a mín: 5°C - T^a máx: 35°C - 12 months maximum

Keep away from oxidizing agents, highly alkaline materials and strong acids.

7.3. Specific uses of the mixture: mortar

8. Personal exposure/protection controls

8.1. Control parameter:

Substances whose occupational exposure limit values have to be monitored in the workplace: There are no environmental limit values for substances constituting the mixture.

8.2. Exposure controls:

A. General measures of health and safety in the workplace

According to the order of priority for control of occupational exposure (RD 374/2001) extraction located in the area of labor as a means of collective protection is recommended to avoid exceeding the occupational exposure limits

As a preventive measure the use of personal protective equipment basic, with the corresponding "CE" according to R.D.1407 / 1992 is recommended. For more information on personal protective equipment (storage, use, cleaning, maintenance, protection class,) consult the information leaflet provided by the manufacturer of EPI. To determine the required installation and emergency shower /

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eyewash in warehouses or regulations concerning the storage of chemicals applicable in each case is taken into account. For more information see section 7.1 and 7.2.

B. - Respiratory protection. Use dust mask in poorly ventilated places

C. - Specific Hand protection. Gloves. Protective creams may be used for exposed skin, but nonetheless they should not be applied after contact with the product.

D.- Eye and Face Protection. Use eye protection.

E.- Body protection. Wear suitable work clothes

F.- Additional emergency measures

Controls Environmental exposure: Under EU legislation in environmental protection it is recommended to prevent spillage of both the product and its packaging to the environment. For additional information see section 7.1.d

9. Physical and chemical properties

Volatility	Solid Aspect	Colour
Physical state at 20 °C	Np	
Boiling point at atmospheric pressure	Np	
Vapour pressure at 20 °C	Np	
Vapour pressure at 50 °C	Np	
Evaporation rate at 20 °C	Np	
Product characterisation		
Density at 20 °C	1.10±0.1 gr/cm3	
Relative density at 20 °C	-	
Dynamic viscosity at 20 °C	-	
Kinematic viscosity at 20 °C	-	
Concentration	-	
pH	Alkaline	
Vapour density at 20 °C	-	
Partition coefficient n-octanol/water at 20 °C	N/A	
Solubility in water at 20 °C	Miscible	
Solubility properties	Hydrosoluble	
Decomposition temperature	N/A	
Flammability		
Flash point	N/A	
Autoignition temperature	N/A	
Lower Flammability Limit	N/A	
Upper Flammability Limit	N/A	

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10. Stability and reactivity

10.1. Conditions to avoid: Stable under recommended conditions

10.2. Materials to avoid:

	Choque y fricción	Contacto con el aire	Calentamiento	Luz Solar	Humedad
	-	-	-	-	Avoid

	Ácidos	Agua	Materias comburentes	Materias combustibles	Otros
	Yes	Yes	No	No	No

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10.1. Hazardous decomposition products

See section 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions as a result of it can be released complex mixtures of chemicals: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

11. Toxicological information:

11.1. Information on toxicological effects:

Experimental data of the mixture itself concerning the toxicological properties is not available. The hazard classification on corrosive or irritant effects selected takes into account the guidelines specified in section 3.2.5 of Annex VI of R.D.363/1995 (Directive 67/548/EC) and paragraphs b) and c) of section 3 of Article 6 of the R.D.255/2003 (Directive 1999/45/EC).

Adverse health effects:

According to our information and experience, it does not cause any adverse effect during normal conditions of use on-site.

In the event of repetitive or prolonged exposure or at concentrations higher than those established by professional exposure limits, adverse health effects may occur depending on the means of exposure:

A Ingestion

It can cause irritation of the digestive tract and abdominal pain.

B Inhalation

It can cause irritation of the respiratory tract.

C Contact with skin and eyes

It can irritate the skin when a substance highly alkaline PH. If product enters eyes will cause irritation and injury.

D CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No

E Sensitizing effects

Repeated skin contact may cause dermatitis and sensitization.

F Specific target organ toxicity (STOT) single -exhibition

No

G Specific target organ toxicity (STOT) repeated -exhibition:

No

H Aspiration hazard:

No

Specific toxicological substances: No

12. Environmental information

There is no experimental data available on the mixture itself with regard to cotoxicological properties.

12.1. Toxicity:

12.2. Persistence and degradability

12.3. Bioaccumulation potential

12.4. Mobility in soil: Not available

12.5. Results of PBT and vPvB evaluation: not available

12.6. Other adverse effects: not available

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13. Disposal considerations

13.1. Waste treatment methods

By way of example these are some of the codes

08 00 00 wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks.

08 02 00 wastes from MFSU of other coatings (including ceramic materials)

08 02 99 waste not otherwise specified

Packaging waste: 150105 (1), compound residue container

Packaging waste: 150103 (1), pallet waste

Packaging waste: 150104 (1), metal cans

Waste management (disposal and recovery):

Consult with the authorised waste recovery operator on the disposal and recovery operations pursuant to Annex 1, Parts A and B of the Order MAM/304/2002.

Legislation related to waste management:

According to Annex II of Regulation (EC) no. 1907/2006 (REACH), the EC and national provisions related to waste management are listed below.

- EC legislation: Directive 91/689/EEC

- National legislation: Order MAM/304/2002

14. Transport information

Transport the product in accordance with the provisions of the ADR for road, the RID for rail, the IMDG for sea and the ICACVIATA for air.

Inland transport of ADR and RID dangerous goods 2011

	14.1 UN No.	14.2 Technical designation	14.3 Class	14.4 Packaging group	14.5 Environm ental hazard	14.6 Special precautions
-	-	-	-	-	-	-

15. Regulations and legislation on health, safety and the environment applicable to the substance or mixture:

Restrictions on the sale and use of certain hazardous substances and mixtures (Annex XVII of REACH)

Not applicable

Special provisions for the protection of persons or the environment:

It is advisable to take the information listed in this safety data sheet as input data for a risk assessment of local circumstances in order to determine the necessary measures for preventing risks in handling, using, storing and disposing of this product.

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Other regulations:

Chemical safety assessment:

The supplier has not carried out a chemical safety assessment

16. Other information

H, EUH-phrases mentioned in 3

H315 Causes skin irritation.

H317 May cause skin allergy.

H318 Causes serious eye damage.

H335: May cause respiratory irritation

Since we do not know the user's working conditions, the information in this safety data sheet is based on our knowledge and EC and national regulations.

The product should not be used for applications other than those specified in the data sheet and section number 1. The user is fully responsible for taking steps to abide by local laws and regulations. The information contained in this document should be considered as a description of the safety requirements related to our product and not as a guarantee of its properties.

The information contained herein is true and accurate. We do not guarantee recommendations or suggestions made herein since employment conditions are beyond our control. Each user is consequently liable for deciding whether this information is appropriate and useful.

(1) According to Resolution 17/11898, of the Directorate General of Quality and Environmental Assessment, stipulating the publication of the European Waste Catalogue, approved by Decision 94/3/EC of the Commission, dated 20 December 1993.