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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Investement for casting - X-Vest

Brand : X-Vest

Use : Making molds for casting non-ferrous metals for jewelry mold block technology.

Address : BlueCast Production _ Corso Italia 25 _ 24048 _ Verdello _ ITaly

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2. HAZARDS IDENTIFICATION

2.1.Classification of the substance or mixture:

Regulation EC 1272/2008:

DANGER

STOT RE1

Classification EU (67/548/EEC):



Symbol letter : Xn

Indication of danger : Harmful

Risk Phrases : R48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

This product **does not contains cristobalite**

2.2.Label elements:



Signal Word: Danger

Hazard Statements:

H350: May cause cancer

H372: Causes damage to lungs through prolonged or repeated exposure via inhalation.

Precautionary Statements:

P260: Do not breathe dust.

P285: In case of inadequate ventilation wear respiratory equipment.

P501: Dispose of contents/containers in accordance with local regulations.

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Risk phrases;

R48/20 Danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases;

S22 Do not breathe dust

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

2.3. Definitions of Risk

Hazards to humans and the environment:

Contact with skin and if swallowed. Contact with eyes can cause serious injury.

Create any harmful effects if swallowed.

This product contains respirable crystalline silica (RCS) as an impurity and therefore is classified as STOT RE1 according to criteria defined in the regulation EC 1272/2008 and harmful according to criteria defined in Directive 67/548/EEC due to the potential for generation of airborne respirable crystalline silica.

2.4. Other Hazards:

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH

3. COMPOSITION & INFORMATION ON INGREDIENTS

3.1. Mixture

The classification is compatible with current EC regulations on dangerous substances and preparations.

Chemical Characterization :

Article Name	Concentration	CAS No	EC No	Danger Signal	Hazard Statements
Gypsum	< 35 %	7778-18-9	-	-	-
Silica	> 60 %	14808-60-7	238-874-4	Xn	R48/20

4. FIRST AID MEASURES

4.1. Description of first aid measures:

Inhalation in cases where: Move exposed person to fresh air immediately and seek medical advice.

If swallowed: Ingestion Do NOT induce vomiting if you fall. Provide plenty of drinking water.

Never give anything by mouth to an unconscious patient. Call a doctor.

In contact with skin: Take off contaminated clothing. Wash off with soap and water.

Seek medical advice.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes. If

irritation persists seek medical advice.

Attention Physician: Symptomatic and supportive treatment should be capable of shape.

4.2. Most important symptoms and effects 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:

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No specific actions are required.

5. FIRE-FIGHTING

- 5.1. Suitable extinguishing media and tools: No specific extinguishing media is needed.
- 5.2. For safety reasons unsuitable extinguishing use: None
- 5.3. Flash Point: None
- 5.4. Flammability Limits: None
- 5.5. Special Hazards: Non combustible. No hazardous thermal decomposition.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal Precautions: Avoid contact with eyes and skin. Do not breathe dust. Provide adequate ventilation for the protection of personnel. Use a full face mask and protective clothing. And remove contaminated clothing immediately and wash before wearing again.
- 6.2. Environmental precautions: None known.
- 6.3. Cleaning / Collection Methods: Apply liquid ventilation or broadcasting.

7. HANDLING AND STORAGE

- 7.1. Handling: Avoid contact with eyes and skin. Do not breathe dust. Wear protective clothing and equipment as described in Chapter 8. To keep the level below the exposure limits for occupational exposure, use adequate ventilation and appropriate dust collection methods. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.
- 7.2. Fire and explosion protection: No
- 7.3. Requirements to be met by storerooms and containers: Keep away from heat. Keep container tightly closed in a dry and well ventilated place. From incompatible materials in a cool, dry, well ventilated area. Physical damage.
- 7.4. A combination of storage-related information: Ventilate area of spill. Avoid unnecessary stirring to prevent the formation of dust.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters:

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust).

The WEL (Workplace Exposure Limit) for respirable crystalline dust is 0.1 mg/m⁻³ in the UK, measured as an 8 hour TWA (Time Weighted Average). For the equivalent limits in other countries consult your local regulatory authority.

8.2. Personal Protective Equipment:

General protective and hygiene measures

Keep away from food and beverages.

Immediately remove contaminated clothing.

Wash during breaks and at the end of work in your hands.

Avoid contact with skin and eyes.

Skin Protection: Butyl or nitrile chemical-resistant protective gloves made of plastic

Eye protection: Safety glasses firmly

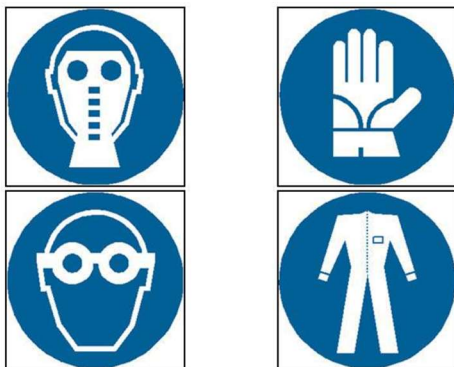
Respiratory protection: Exposure limits are exceeded, an approved particulate respirator suitable for concentrations of pollutants found and should be used.

Selection and use of breathing apparatus must comply with relevant regulations and good industrial hygiene practices. NIOSH-approved equipment.

Skin Protection: Wear a long-term or repeated contact with rubber or other impervious gloves to avoid.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance Form: Powder

Color: White

Odor: Odorless

Safety and information flare Point: N / A

Steam Pressure: N / A

pH (1%): 6-8

Density: 2.to 3 g / cm³

Solubility: less than 1gr/kg

9.2. Other information:

No other information.

10. STABILITY AND REACTIVITY

10.1.Stability:

Stable under normal use and storage conditions.

10.2.Conditions to Avoid:

Do not breathe dust. Should be kept away from moisture. Water should be kept in the pack.

10.3.Polymerization Hazards:

There is no danger of polymerization.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicology effects:

Skin contact: May cause irritation. When mixed with water in a container, the material hardens, and a quantity of heat, may heat up the outside of the container.

Eye Contact: Soft tissues of the eye can cause serious damage. Lead to serious eye damage.

Ingestion: Large amounts may cause gastrointestinal irritation and blockage. 11.2.

Chronic Toxicity:

Exposure to constantly look at the solution occurs in the nose and throat irritation is persistent. Excessive inhalation of silica dust can cause fatal lung disease.

Symptoms of cough, shortness of breath, wheezing, breathlessness and low nonspecific chest illness include pulmonary function.

11.3. Carcinogenic Effect:

International Agency for Research on Cancer has no effect on human health has been adopted by the carcinogenic effects. (Class III)

11.4. Inhalation:

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Inhalation of dust with cough and shortness of breath, nose, throat and upper respiratory tract may cause irritation.

12. ECOLOGICAL IMPACT

This material ecotoxicity May Be Harmful to the environment. Depending on the changes in the water for PH organisms plankton toxic effects on fish and lives. Can not even corrosive effects is diluted. Neutralization possible in waste water treatment plant.

12.1. Toxicity: No data available.

12.2. Persistence and degradability: No data available.

12.3. Bioaccumulative potential: No data available.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: No data available

12.6. Other adverse effects: No specific adverse effects known

13. WASTE DISPOSAL

13.1 Waste treatment methods:

Additional Information:

Product: Should be disposed of according to official regulations.

Uncleaned packaging: Should be disposed of according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent is destroyed.

14. TRANSPORT INFORMATION

14.1. UN Number: N / A

14.2. Proper Shipping Name: N / A

14.3. Air Transport (ICAO and IATA): N / A

Class: N / A

14.4. Packaging Group: N / A

15. LEGAL INFORMATION

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

International legislation/requirements:

Regulation 1907/2006 (REACH):

Exempted. According to art.2, paragraph 7.

European Directive on Dangerous Substances 67/548:

This product is not classified as dangerous.

European Community Labeling:

Labeling SOT RE1 required.

15.2 Chemical safety assessment:

Exempt from REACH Registration in accordance with Annex V7

16. OTHER INFORMATION

The data given here are based on current knowledge and experience. Terms of safety requirements of this Safety Data Sheet and the product does not give any guarantee of the properties.

Data given here is only appropriate application (s) used to apply.

Product sold as suitable for other applications - usage in such may cause risks not mentioned in this list. Other application (s) without.

This Safety Data Sheet, Hazardous Substances Directive (67/548/EEC) has been prepared in accordance with.

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This Safety Data Sheet, the Dangerous Preparations Directive (88/379/EEC) has been prepared in accordance with.
This Safety Data Sheet, Material Safety Data Sheets Directive (2001/58EC) prepared in accordance with.

Prepared by: Ettore Maria Bar

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