

## Safety Data Sheet

### 1. Identification of the preparation and the Company

#### 1.1 Identification of the preparation

Product name #108 MORTAR-Flow

#### 1.2 Identification of the Company

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### 2. Composition/Information on ingredients

Name	Concentr.(C)	Classification
CEMENT TYPE II AL 42,5 R	26,2 <= C < 41,3	Xi R36/37/38 Xi R43
DILACON	2,9 <= C < 5	Xi R36

The complete text of -R- phrases is specified in section 16.

### 3. Danger Identification

#### 3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xi

Phrases R:  
36/37/38-43

#### 3.2 Danger Identification

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
MAY CAUSE SENSITIZATION BY SKIN CONTACT.

### 4. First-aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear the fire equipment all the time.

## 6. Accidental release measures

Collect the largest amount of the solid product with mechanical tools. Avoid the formation of dust spraying the product with moist cleansing agents or water.

## 7. Handling and storage

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks.

## 8. Exposure controls/personal protection.

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

## 9. Physical and chemical properties

Solubility	
Viscosity	N.A.
Vapour density	N.A.
Evaporation speed	N.A.
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	> 61°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	N.A.

## 10. Stability and reactivity

The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

DILACON

Si combina facilmente ed esotermicamente con l'acqua per formare idrossido di calcio.

Reagisce violentemente con (B<sub>2</sub>O<sub>3</sub>+CaCl<sub>2</sub>),BF<sub>3</sub>, ClF<sub>3</sub>, F<sub>2</sub>, HF, P<sub>2</sub>O<sub>5</sub>, ACQUA e con ACIDI sviluppando calore.

Reagisce anche con la CO<sub>2</sub> dell'aria per formare CaCO<sub>3</sub>.

Quale matrice calcina incompatibile con alluminio, diazometano, fosforo.

Puo infiammarsi ed esplodere se riscaldato con zolfo sublimato, magnesio o polveri di alluminio

## 11. Toxicological information

Acute effects: stinging eyes. Symptoms may include rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At higher concentrations, it

may also cause pulmonary edema. Contact with skin may cause irritation, erythema, dryness and chapped skin. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include erythemas, edemas, papules, vesicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Scurfy skin, dryness, ulcerations and skin thickening prevail during the acute phase.

Cemento contiene cromo esavalente.

Studi al vivo ed in vitro sugli animali hanno dimostrato che non esiste tossicità acuta sul derma. Esiste un effetto che sensibilizza la pelle e le mucose. Dopo una manipolazione di più anni delle malte esiste la possibilità che si verifichi una sensibilizzazione che può provocare allergie cutanee.

Il valore limite di soglia ponderato nel tempo (TLV-TWA) adottato dall'Associazione degli Igienisti Industriali Americani (ACGIH) per il particolato di Cemento è pari a 10 mg/m<sup>3</sup> (frazione inspirabile ed a 3 mg/m<sup>3</sup> (frazione respirabile).

## 12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

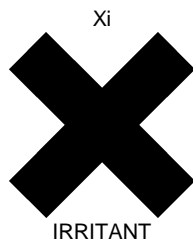
## 13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

## 14. Transport informations

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

## 15. Regulatory information



R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
S 2	KEEP OUT OF THE REACH OF CHILDREN.
S22	DO NOT BREATHE DUST.
S24/25	AVOID CONTACT WITH SKIN AND EYES.
S37	WEAR SUITABLE GLOVES.
S46	IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

Contains:  
CEMENT TYPE II AL 42,5 R

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

## 16. Further information

Text of -R- phrases quoted in section 2 of the sheet.

R36	IRRITATING TO EYES.
R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.

### GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.