



## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

### 1.1. Product identification

Trade name: GECOL Revocal-H fino.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Adhesive cement-based powder.

### 1.3. Details of the supplier of the Material Safety Data Sheet

GECOL SERVICES, SL

C / Marinas, 14 and 16. - Llevant Industrial Estate

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Tel. +34 918 95 23 11

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### 1.4. Emergency number

National Institute of Toxicology and Forensic Science: + 34 91 562 04 20.

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

The classification of this product has been made under Regulation 1272/2008 (CLP).

- Attention: Skin Irrit. 2: Causes skin irritation.
- Danger, Eye Dam 1: Causes serious eye damage.
- Care, Skin Sens 1: May cause allergic skin reaction.
- Attention STOT SE 3: May cause respiratory tract (single exposure).

### 2.2. Label elements

Regulation 1272/2008 Classification, Labelling and Packaging (CLP).

#### HAZARD



GHS07

GHS05

#### Hazard

**H315** Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H318** Causes serious eye damage.

**H335** May cause respiratory irritation.

#### Precautionary

**P102** Keep out of reach of children.

**P103** Read label before use.

**P261** Avoid breathing dust.

**P280** Wear protective gloves / protective clothing / eye protection / face protection.

**P302 + P352 IF ON SKIN:** Wash with plenty of soap and water.

**P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy. Continue rinsing.

**P310** Immediately call a POISON CENTER or doctor.

**P501** Dispose of contents / container in accordance with current legislation waste treatment.

### 2.3. Other hazards

Results of PBT and vPvB assessment no.



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: Blend of additives, aggregates and cement.

Components:

Identification	Chemical Name / Classification	Concentration
CAS: 85117-09-5 EINECS: 285-561-1 REACH: 01-2119475523-36-xxxx	Lime (chemical product), hydraulic method Eye Dam. 1: H318; Skin irrit. 2: H315; STOT SE 3: H335	< 20 %

For more information on the risk of the substances consult epigraphs 8, 11, 12 and 16.

### 4. FIRST AID

#### 4.1. Description of first aid

The symptoms resulting from intoxication can appear after exposure, so, if in doubt, direct exposure to the chemical product or persistent discomfort, seek medical attention, showing the Material Safety Data Sheet for this product.

- **Inhalation:**

Remove the patient from exposure, to supply fresh air and keep at rest.

In serious cases such as cardio-respiratory arrest, artificial respiration (rescue breathing, cardiac massage, oxygen supply, etc.) apply requiring immediate medical assistance.

- **Contact with skin:**

Remove contaminated clothing and shoes, rinse skin or shower the affected if appropriate with plenty of cold water and mild soap. If significant condition should see a doctor. If the product causes burns or freezing, clothing should not be removed because it could worsen the injury caused if it is stuck to the skin is. In the case of forming blisters on the skin, these should never burst and increasing the risk of infection.

- **By eye contact:**

Flush eyes with water at room temperature for at least 15 minutes. Avoid rubbing the affected or close your eyes. In the case of the injured person uses contact lenses, these should always be removed that are not attached to the eyes, otherwise further damage may occur. In all cases, after washing, you should see a doctor as quickly as possible to the Material Safety Data Sheet of the product.

- **Ingestion:**

Do not induce vomiting, if it occurs keep head tilted forward to avoid thus aspiration. Keep the patient at rest. Rinse mouth and throat, as there is a possibility that they have been affected by ingestion.

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

Contact with the eyes causes irritation that may last more than 24 hours; if inhaled causes irritation to the respiratory tract; if it comes into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

The product contains cement, that when in contact with water or body fluids (sweat, etc.), produces a strongly alkaline irritation, so that contact with the eyes and skin can cause irritation.

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

In case of accident or malaise, consult a doctor immediately (if possible, show directions for use or safety data sheet).

### 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

Not flammable under normal storage, handling and use.

In case of inflammation as a result of handling, storage or misuse preferably use polyvalent powder extinguishers (ABC powder), according to the Rules of fire protection facilities (RD 1942/1993 and subsequent amendments).

It NOT RECOMMENDED to use tap water as an extinguishing agent.

#### 5.2. Special hazards arising from the substance or mixture



The product does not present a risk of fire, it is not explosive, or facilitate or support combustion of other materials.

### 5.3. Advice for firefighters

Use appropriate respiratory equipment.

Collect separately contaminated water used to extinguish the fire. No download it in the sewer. Act in accordance with the Emergency Plan and the Information Sheets on actions to accidents and other emergencies.

Remove all sources of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE (vapor explosion that spread by boiling liquid) due to high temperatures.

## 6. MEASURES IN CASE OF ACCIDENTAL RELEASE

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection devices.

If exposed to vapours / dust / aerosols, use respiratory equipment.

Provide adequate ventilation.

Consult protection measures set out in paragraphs 7 and 8.

### 6.2. Environmental precautions

Prevent discharge into the subsoil / soil. Do not discharge into surface water or sewage system.

Retain contaminated washing water and dispose.

In case of gas leakage or penetration into waterways, soil or sewers, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand.

### 6.3. Methods and materials for containment and cleaning

Sweep up the product with shovels or other means and place in a container for reuse (preferably) or disposal.

Contain the spread and mechanically collect, avoid raising too much dust.

After collection, rinse the area and materials involved.

At all times ensure adequate ventilation.

### 6.4. Reference to other sections

See sections 8 and 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- **Precautions:**

Use in ventilated areas. Avoid formation and deposition of dust.

- **Technical recommendations for the prevention of fires and explosions:**

Not flammable under normal storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that could affect inflammable products. See section 10 on conditions and materials to be avoided.

- **Technical recommendations to prevent ergonomic and toxicological risks:**

For exposure control see section 8. Do not eat, drink or smoke in work areas; wash your hands after each use, and shed clothing and protective equipment before entering contaminated areas to eat.

- **Technical recommendations to prevent environmental risks:**

Under EU legislation in environmental protection it is recommended to avoid spillage of both the product and its packaging to the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

- Always keep the containers tightly closed.

- Incompatible materials:

Stay away from water and humid environments.

- Indication for local:

Keep adequately ventilated premises.

Avoid sources of heat, radiation, static electricity and contact with food.

Storage temperature: Temp.: 40 ° C max - min Temp.: 5 ° C.



- Keep container tightly closed and protected from exposure to air and moisture container.

## 7.3. Specific end use

Any use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

Substances whose occupational exposure limit values must be controlled in the workplace (INSHT 2014): DNEL (Workers): Particles not otherwise specified: Inhalable fraction VLA-ED = 10 mg / m<sup>3</sup>  
// Respirable fraction VLA-ED = 3 mg / m<sup>3</sup>

Exposure Limit Values (workers) DNEL: Not relevant.

Identification		Short exposure		Long exposition	
		Systemic	Local	Systemic	Local
Lime (chemical product), hydraulic method CAS: 1305-62-0 CE: 215-137-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Cutaneous	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	4 mg/m <sup>3</sup>	Not relevant	1 mg/m <sup>3</sup>

Exposure Limit Values (population) DNEL: Not relevant.

Identification		Short exposure		Long exposition	
		Systemic	Local	Systemic	Local
Lime (chemical product), hydraulic method CAS: 1305-62-0 CE: 215-137-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Cutaneous	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	4 mg/m <sup>3</sup>	Not relevant	1 mg/m <sup>3</sup>

PNEC Exposure Limit Values: Not relevant.

Identification			
Lime (chemical product), hydraulic method CAS: 1305-62-0 CE: 215-137-3	STP	3,511 mg/l	Fresh water
	Floor	1262,3 mg/kg	Saltwater
	Intermittent	0,574 mg/l	Sediment (Freshwater)
	Oral	Not relevant	Sediment (Saltwater)
			0,574 mg/l
			0.374 mg/l
			Not relevant
			Not relevant

### 8.2. Exposure controls

#### - General measures of safety and health at the workplace:

According to the order of priority for the control of occupational exposure (RD 374/2001 and subsequent amendments) localized extraction in the work area as collective protection measure to avoid exceeding the occupational exposure limit is recommended. In the case of using personal protective equipment must have the "CE" according to RD 1407/1992 and subsequent amendments.

All personal protection devices must comply with CE standards (as EN 374 for gloves and EN 166 for goggles), maintained efficient and stored properly.

The duration of use of protective devices against the chemical agents depends on various factors (type of use, climatic factors and conservation mode), which can significantly reduce the time of intended use in the EC standards.

Always consult the supplier of protection devices. Instruct workers on the use of devices and equipment.

#### - Eye protection:

Safety goggles.

#### - Skin care:

Use clothing to ensure full protection of the skin, eg cotton, rubber, etc.

#### - Hand protection:

Wear protective gloves to ensure full protection, eg PVC, neoprene or rubber.

Neoprene (0.5 mm) is recommended.

Gloves suitable: None.

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In accordance with REACH Regulation (EC) No 1907/2006 and (EU) No 453/2010

- **Respiratory protection:**  
It is not necessary for normal use.  
It is advisable to use a dust cartea during application.

## **Controls Environmental exposure:**

Under EU legislation in environmental protection it is recommended to avoid spillage of both the product and its packaging to the environment. For additional information see section 7.1.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on physical and chemical properties**

For complete information, see the product data sheet.

Physical appearance:

- Physical state at 20 °C: Solid.
- Appearance: Powder.
- Color: Not determined.
- Odor: Odorless.

PH at 20 °C: 11-13.

Melting point: Not applicable.

Boiling point: Not applicable.

Flash point: Not applicable.

Decomposition temperature: Not applicable.

Self-flammability: Non-flammable product.

Danger of explosion: Product is not explosive.

Vapour Pressure: Not applicable.

Density at 20 °C: 1.40 g / cm<sup>3</sup>.

Relative density: Not applicable.

Vapour Density: Not applicable.

Water solubility: Soluble.

Distribution coefficient (n-octanol / water): Not determined.

Viscosity: Not applicable.

### **9.2. Additional Information**

No further relevant information available.

## **10. Stability and reactivity**

### **10.1. Reactivity**

No hazardous reactions are expected if the technical instructions storage of chemical products is met. See section 7.

### **10.2. Chemical stability**

Chemically stable under the indicated storage, handling and use conditions.

### **10.3. Possibility of hazardous reactions**

Under the conditions no hazardous reactions that can produce a pressure or excessive temperatures are expected.

### **10.4. Conditions to avoid**

Avoid direct moisture.

No further relevant information available.

### **10.5. Incompatible materials**

Incompatibility: Acids.

With water produces formation of silicates and calcium hydroxide.

Interactions with salts of noble metals (aluminium, ammonium, etc.)

### **10.6. Hazardous decomposition products**

No hazardous decomposition products are known.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**



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In accordance with REACH Regulation (EC) No 1907/2006 and (EU) No 453/2010

There are no experimental data on the product itself relating to the toxicological properties. When performing the danger classification on corrosive or irritant effects they have been taken regarding the recommendations contained in paragraph 3.2.5 of Annex VI of RD 363/1995 (Directive 67/548/EC), in paragraphs b) and c) of paragraph 3 of Article 6 of the RD 255/2003 (Directive 1999/45 / EC) and Annex I of the CLP Regulation.

### **Dangerous effects for health:**

In case of repeated exposure, prolonged or at concentrations higher than those set by workplace exposure limit adverse health effects may occur depending on the route of exposure:

- **Ingestion (acute hazard):**  
No classified as dangerous substances by ingestion.
- **Inhalation (acute hazard):**  
It causes irritation, usually reversible airway and usually limited to the upper airways.
- **Contact with skin and eyes:**  
It produces significant eye damage after contact.
- **CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction):**  
No classification criteria are met, not presenting classified as dangerous substances for the purposes described.
- **Sensitizing effects:**  
Prolonged skin contact may result in episodes of allergic contact dermatitis.
- **Specific target organ toxicity (STOT) - single exposure:**  
No classification criteria are followed, presenting not classified as dangerous for this effect substances.
- **Specific target organ toxicity (STOT) - repeated exposure:**  
No classification criteria are followed, presenting not classified as dangerous for this effect substances.
- **Aspiration hazard:**  
No classification criteria are followed, presenting not classified as dangerous for this effect substances.

### **Additional Information:**

On contact with wet skin, without proper protection, it can cause skin thickening, cracking or fissures in the skin.

### **Specific toxicological substances:**

In accordance with the calculation procedure in the latest version of the General EU Classification EC for preparations, the product shows the following dangers:  
Irritant.

## **12. ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

Not determined.

### **12.2. Persistence and degradability**

Not available.

### **12.3. Bioaccumulation potential**

Not determined.

### **12.4. Mobility in soil**

Not determined.

### **12.5. Results of PBT and vPvB**

Not applicable.

### **12.6. Other adverse effects**

Not described.

## **13. WASTE DISPOSAL**



DOP N° RPC - 5700/40 - 200701

In accordance with REACH Regulation (EC) No 1907/2006 and (EU) No 453/2010

## 13.1. Methods for treating waste

Waste management (disposal and recovery):

Consult a licensed waste recovery operations and disposal in accordance with Annex 1 and Annex 2 (Directive 2008/98 / EC, Law 22/2011). According to codes 15 01 (2000/532 / EC) in the case of the package has been in direct contact with the product will be managed the same way as the product itself, otherwise it will be managed as hazardous waste. Discharge to streams is discouraged. See section 6.2.

### Legislation related to waste management:

In accordance with Annex II of EC Regulation No 1907/2006 (REACH) community or state provisions related to waste management are collected.

- Community law: Directive 2008/98 / EC, 2000/532 / EC: Commission Decision of 3 May 2000.
- National law: Law 22/2011.

## 14. TRANSPORT INFORMATION

### 14.1. UN number

The product is not classified as dangerous according to ADR, ADN, IMDG, IATA.

### 14.2. Shipping name UN

Not applicable.

### 14.3. Kind (s) of Transport hazard

Not applicable.

### 14.4. Packing Group

Not applicable.

### 14.5. Environmental hazards

Not applicable.

### 14.6. Special precautions for users

Not applicable.

### 14.7. Transport in bulk with regulation to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## 15. REGULATORY INFORMATION

### 15.1. Regulation and safety, health and envio legislation, legislation specific for the substance or mixture

**Candidate substances to authorization in Regulation (EC) 1907/2006 (REACH):**

Not relevant.

**Regulation (EC) 1005/2009 on substances that deplete the ozone layer:**

Not relevant.

**Active substances which have not been approved in accordance with Article 9 of Regulation (EU) No 528/2012:**

Not relevant.

**Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals:**

Not relevant.

**Restrictions on the marketing and use of certain dangerous substances and mixtures (Annex XVII of the REACH Regulation):**

Not relevant.

### Special provisions for the protection of persons or the environment:

It is recommended to use the information gathered in this Material Safety Data Sheet as input to a risk assessment of local circumstances in order to establish the necessary measures to prevent risks to the handling, use, storage and disposal of this product.

### Other regulations:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), and amending and repealing Directives 67/548 / EEC and 1999/45 / EC and Regulation (EC) No 1907/2006 is modified.

### 15.2. Chemical Safety Assessment



DOP N° RPC - 5700/40 - 200701

In accordance with REACH Regulation (EC) No 1907/2006 and (EU) No 453/2010

The supplier has not carried out evaluation of chemical safety.

## 16. OTHER INFORMATION

### Legislation applicable to Safety Data Sheets:

This Material Safety Data Sheet has been developed in accordance with Annex II-Guide for the Preparation of Safety Data Sheets of Regulation (EC) No 1907/2006 Regulation (EC) No 453/2010. Modifications to the Material Safety Data Sheet Regulation No 1272/2008 (CLP).

### Texts phrases considered in section 3:

Directive 67/548 / EC and Directive 1999/45 / EC:

R37 / 38 Irritating to respiratory system and skin.

R41 Risk of serious eye damage.

R43 May cause sensitization by skin contact.

Hazard

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

### Advice concerning training:

It is recommended that training on prevention of occupational risks to personnel who will handle this product, to facilitate the understanding and interpretation of this Material Safety Data Sheet and product labelling.

The information contained herein is based on our knowledge to date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

The user must ensure the adequacy and accuracy of this information in relation to the specific use he must take.

### Abbreviations and acronyms:

- ADR: European Agreement concerning the international carriage of dangerous goods by road.
- IMDG: International Maritime Dangerous goods.
- IATA: International Air Transport Association.
- ICAO: International Civil Aviation Organization.
- COD: Chemical oxygen demand.
- BOD5: Biological oxygen demand within 5 days.
- BCF: Bioconcentration factor.
- LD50: Lethal dose 50.
- LC50: Lethal Concentration 50.
- EC50: Effective Concentration 50.
- Log POW: logarithm octanol-water partition coefficient.
- Koc: partition coefficient organic carbon.

The information provided in this Material Safety Data Sheet has been prepared in accordance with Regulation (EU) No 453/2010 of 20 May 2010 amending Commission Regulation (EC) No 1907/2006 OF PARLIAMENT European Parliament and Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Agency for Chemicals was created, amending Directive 1999/45 / EC and Regulation (EEC) No 793/93 and Regulation (EC) No 1488/94 and Directive 76/769 / EEC and Directives 91/155 repealing / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC.

The information in this Material Safety Data Sheet Product is based on current knowledge and on current EC laws and national, in that the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without an instruction in writing, of its handling. It is always your responsibility to take appropriate measures in order to comply with the requirements of the laws.