



## 1 PRODUCT AND COMPANY IDENTIFICATION

1.1	Product	<b>GAS SEAL</b>
1.2	Typical use	<b>Dymethacrylic anaerobic sealant</b>
1.3	Manufacturer	<b>FACOT CHEMICALS s.n.c. - Via Crema, 44 - 26010 CAPRALBA (CR) tel. 0373 450642 - fax 0373 450751 - e-mail: info@facot.it www.facot.it</b>
1.4	Emergency phone number ISS code	<b>Centro Antiveleni Ospedale di Niguarda Milano - 0266101029 24 ore su 24 hours GAS</b>

## 2 HAZARD IDENTIFICATION

The product is classified hazardous according to 1999/45/CE directive. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Harmful for aquatic organisms.

## 3 CHEMICAL COMPOSITION OF THE PRODUCT

Compound CAS/EINECS/INDEX number	% in weight*	Symbol/s	R Phrases
MALEIC ACID ❖ CAS 110-16-7 ❖ EINECS 203-742-5 ❖ INDEX 607-095-00-3	0,1÷0,4	Xn	R 22: Harmful if swallowed. R 36/37/38: Irritating to eyes, respiratory system and skin.
ALPHA-DIMETHYLBENZYL HYDROPEROXIDE ❖ CAS 80-15-9 ❖ EINECS 201-254-7 ❖ INDEX 617-002-00-8	0,5÷1,0	O – T – N	R 7: May cause fire. R 21/22: Harmful in contact with skin and if swallowed. R 23: Toxic by inhalation. R 34: Causes burns. R 48/20/22: Harmful: danger of serious damage to health by prolonged exposure. R 51/53: Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment.
ACETYL-2-PHENYLHYDRAZINE ❖ CAS 114-83-0 ❖ EINECS 204-055-3 ❖ INDEX - - -	0,1÷0,5	Xn	R 21: Harmful in contact with skin. R 68/22: Harmful: possible risk of irreversible effects if swallowed. R 43: May cause sensitisation by skin contact.
METHACRYLIC ACID ❖ CAS 27813-02-1 ❖ EINECS 248-666-3 ❖ INDEX - - -	20÷40	Xi	R 36: Irritating to eyes. R 43: may cause sensitisation by skin contact.
2-HYDROXETHYL METHACRYLATE ❖ CAS 868-77-9 ❖ EINECS 212-782-2 ❖ INDEX - - -	5÷10	Xi	R 36/37/38: irritating to eyes, respiratory system and skin. R 43: may cause sensitisation by skin contact.
DODECYL METHACRYLATE ❖ CAS 142-90-5 ❖ EINECS 205-570-6 ❖ INDEX - - -	15÷25	Xi	R 36/38: irritating to eyes and skin.

\*superior limit included

## 4 FIRST AID MEASURES

### 4.1 INGESTION

Do not induce vomit. Wash your mouth with water. SEEK MEDICAL TREATMENTS.

### 4.2 INHALATION

Bring the subject to fresh air. Seek medical intervention.

### 4.3 DIRECT CONTACT (of pure product) WITH:

#### 4.3.1 SKIN

Undress contaminated clothes and wash immediately with water and soap. In case of severe irritation seek medical advice.

#### 4.3.2 EYES

Wash immediately with plenty of running water for at least 15 minutes keeping eyelids open. SEEK SPECIAL MEDICAL TREATMENT.

## 5 FIRE-EXTINGUISHING MEASURES

### 5.1 SUITABLE EXTINGUISHERS

Chemical powder, foam, nebulized water, carbon dioxide according to the materials involved in fire.

### 5.2 UNSUITABLE EXTINGUISHERS

None in particular.

### 5.3 RISKS FROM COMNUSTION

Do not breathe fumes.

### 5.4 PROTECTION MEASURES IN CASE OF INTERVENTION

Wear respiratory and eyes protection.

## 6 ACCIDENTAL RELEASE MEASURES

**FACOT CHEMICALS s.n.c. - Via Crema, 44 – 26010 CAPRALBA (CR) ITALY  
Tel. 0373/450642 – 3 Fax 0373/450751 e-mail:info@facot.it www.facot.it**



## 6.1 MEASURES FOR PEOPLE

Wear gloves and protective clothes.

## 6.2 MEASURES FOR THE ENVIRONMENT

Contain leakages with earth or sand. avoid the product spreading in the sewer, on the surface water or on the ground. If the product has escaped into a water course, into the drainage system or has contaminated the ground or vegetation, notify the competent authorities.

## 6.3 CLEANING AND SOAKING

Recover the product for re-use if possible, or for elimination. The product, where appropriate, might be absorbed by inert material After the product has been recovered, rinse the area and materials involved with water, avoiding the product reaches sewer, water courses and/or it enters the ground.

## 7 HANDLING AND STORAGE

### 7.1 HANDLING

Usual handling as per chemical products working in well ventilated areas protecting from accidental contacts. Do not smoke, eat or drink during the handling.

### 7.2 STORAGE

cool

Keep into the original containers, in a cool and ventilated place, protecting from heat sources. Storage at temperatures included from 8 °C to 25 °C is suggested.

## 8 EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

### 8.1 EXPOSURE LIMIT VALUES

SUBSTANCE	TLV/TWA	TLV/STEEL in mg/m <sup>3</sup>	SOURCES
Acrylic acid	2 ppm	Not available	ACGIH/1993

### 8.2 PROFESSIONAL EXPOSURE CONTROLS

#### 8.2.1 Respiratory protection

Use in a well ventilated place. If necessary wear a mask with filter for organic vapours according to EN 141 norm.

#### 8.2.2 Hands protection

The use of butyl rubber gloves according to EN 374-1; EN 374-2; EN 374-3 norm is suggested.

#### 8.2.3 Protezione degli occhi

Wear safety glasses with lateral protection according to EN 166 norm.

#### 8.2.4 Skin protection

Wear working clothes to protect your skin.

## 9 CHEMICAL AND PHYSICAL PROPERTIES

ASPECT (physical status and colour)	: marine green liquid
ODOUR	: Light
pH	: not submittable
BOILING POINT	: Non submittable
FLASH POINT (c.c.)	: > 100°C
DENSITY'	: 1,070 ± 0,010
SOLUBILITY IN WATER	: Not soluble
SOLUBILITY IN ACETONE	: Soluble

The above properties do not represent a standard specification of the product. For these ones please see specific analysis note.

## 10 STABILITY AND REACTIVITY

### 10.1 CONDITIONS TO BE AVOIDED

Stable during normal application It does not react with water, a prolonged lack of oxygen or the presence of metals may cause polymerization or exothermic reaction.

### 10.2 MATERIALS TO BE AVOIDED

Reducing substances destabilize it.

### 10.3 HAZARDOUS DECOMPOSITION PRODUCTS

Toxic fumes.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 ORAL ACUTE TOXICITY

Harmful. May cause irritation if swallowed.

### 11.2 INHALATORY ACUTE TOXICITY

Irritating to respiratory system.

### 11.3 IRRITATIVE EFFECTS CAUSED FROM DIRECT CONTACT (with pure product):

#### 11.3.1 SKIN:

Irritant and sensitizing action on the skin.

**11.3.2 EYES:**

Possibility of severe damages to eyes.

**12 ECOLOGICAL INFORMATION**

Dispose off according to the regulations in force. When the product is polymerized and hardened, the ecological risk is reduced.

**12.1 ECOTOXICITY**

Harmful for aquatic organisms, may cause long-term adverse effects for environment.

**12.2 MOBILITY**

No data available.

**12.3 PERSISTENCE AND DEGRADABILITY**

No data available.

**13 REMARKS ON THE WASTE DISPOSAL**

Do not re-utilize empty containers. Dispose off according to the regulations in force. Dispose off possible residues of the product according to the regulations in force as dangerous waste.

**14 INFORMATION ABOUT TRANSPORT**

Air (IATA)	:	not classified
Sea (IMO)	:	not classified
UN No.	:	Not classified
Road/Rail (ADR/RID)	:	Not classified

**15 INFORMATION ON THE REGULATION**

**15.1 CLASSIFICATION AND LABELLING**

- |   |          |   |  |
|---|----------|---|--|
| R | 36/37/38 | : | Irritating to eyes, respiratory system and skin.   |
| R | 43       | : | May cause sensitisation by skin contact.   |
| R | 51/53    | : | Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| S | 24       | : | Avoid contact with skin.   |
| S | 26       | : | In case of contact with eyes wash with plenty of water and seek medical advice.              |
| S | 28       | : | In case of contact with skin wash with plenty of water and soap.                             |
| S | 37       | : | Wear suitable gloves.  |



Contains: methacrylic esters.

**15.2 D.L. 19/9/94 n° 626 - TITLE VII**

It does not contain cancer producing substances according to art. 61.

**15.3 REGULATION CE 648/2004 REGARDING DETERGENTS**

The present detergent is not part of the application field of this regulation.

**16 OTHER INFORMATION**

FACOT CHEMICALS S.n.c. asks the customer to examine this safety data sheet carefully, to be informed of all possible risks, and suggests the diffusion of the information contained herein to the workers and to everybody who takes contact with the product. If the product is supplied to others, it is obligatory to give them a copy of the present safety data sheet so that the information are propagated.

**16.1**

If during the examination of the data sheet explanation or clarification is needed, contact the person indicated on the bottom of the page.

**16.2 MAIN BIBLIOGRAPHIC SOURCES**

- ACGIH - American Conference of Governmental Industrial Hygienists
- CESIO - Classification and labelling of anionic, nonionic surfactants (1990)
- ECB - European Chemicals Bureau
- ECDIN - Environmental Chemicals Data and Information Network
- IARC - International Agency for Research on Cancer
- INRS - Fiche Toxicologique
- IPCS - International Programme on Chemical Safety (Cards)
- NIOSH - Registry of toxic effects of chemical substances (1983)
- OSHA - Agenzia europea per la sicurezza e la salute sul lavoro
- PHATOX - Pharmacological and Toxicological Data and Information Network

**16.3 REGULATION REFERENCES**

This safety data sheet has been prepared following the regulations issued by the Council and by the Commission of European Communities (1999/45, 2001/58, 2001/59, 2001/60 according to DM 07/09/2002 and DL n°65 of 03/14/2003.

**Technical responsible who draws up the data sheet: W. Gusmeri**

Checked by: Dr. W. Rimoldi

The safety sheet contains all the information known by the supplier. Neither FACOT CHEMICALS S.n.c. or auxiliary companies could accept complains coming from an inappropriate use of the information here indicated or from an unsuitable application of the product. Pay particular attention to the utilization of compounds as an inappropriate use may increase danger.