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**PRODOTTI CHIMICI PER TRATTAMENTO ACQUA, IDRAULICA, CONDIZIONAMENTO, ISOLAMENTO, GAS**

**SAFETY DATA SHEET**  
 According to Annex II to Regulation (EC) No. 453/2010

**ART. IDEALBLOCK/FORTE/PTFE**

Revision 3 of 13/05/2016

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

IDEALBLOCK/FORTE/PTFE  
 Contains: Hydroxyethyl / propyl methacrylate

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

ANAEROBIC ADHESIVE, SEALANT, BLOCKING AGENT  
 Type of product: ESTER METHACRYLATE BASED ADHESIVE  
 Does not contain substances listed in RoHS and WEEE

**1.3. Details of the supplier of the safety data sheet**

FIMI S.p.A.  
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e-mail: [info@fimi.net](mailto:info@fimi.net) WEBSITE: internet: [www.fimi.net](http://www.fimi.net)  
 DOTT. Adamo Vailati: [adamo@fimi.net](mailto:adamo@fimi.net)

**1.4 Emergency telephone number**

Centro Antiveleni Ospedale Niguarda (MI) - 0266101029 24 ore su 24

**SECTION 2. Hazards identification.**

**2.1. Classification of the substance or mixture.**

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

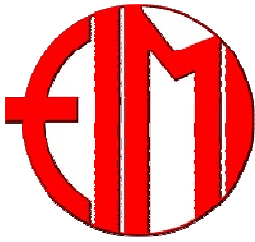
Skin Irrit 2; H315 Causes Skin Irritation  
 Skin Sens. 1; H317 - May cause an allergic skin reaction.  
 Eye Irrit. 2; H319 Causes severe eye irritation.  
 STOT SE 3: H335 May cause irritation to respiratory airways.

**2.2. Label elements.**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



|                      |                |   |
|----------------------|----------------|---|
| Warning              | CAUTION        |   |
| Indication of hazard | H315           | Causes skin irritation.   |
|                      | H317           | May cause an allergic skin reaction.  |
|                      | H319           | Causes severe eye irritation.   |
|                      | H335           | May irritate the respiratory tract.   |
| Precautionary advice | P102           | Keep out of the reach of children.  |
|                      | P261           | Avoid breathing vapours.  |
|                      | 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 they can easily be removed. Continue rinsing. |
|                      | P312           | Call a POISON CENTRE or doctor/physician if you feel unwell.  |
|                      | P403+P233      | Keep the container tightly closed in a well-ventilated place.   |



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*Revision 3 of 13/05/2016*

Special labelling  
 Text for labelling:  
 Contains acid methacrylic, monoester with propane-1,2-diol, methacrylate 2-hydroxyethyl and 1-acetyl-2-phenylhydrazine.

**2.3 Other hazards**  
 The product is not hazardous when used in accordance with the recommendations of use.

**SECTION 3. Composition/information on ingredients.**

**3.1. Substances.**  
 Not applicable

**3.2. Mixtures.**  
 Chemical characterization: Adhesives based on hydroxyethyl methacrylate / hydroxypropyl acrylate

**Hazardous Ingredients**

| Ingredient  | Designation                 | Contents  | Classification CLP   |
|---|-----------------------------|-----------|--|
| EINECS 248-666-3<br>CAS 27813-02-1                                | Hydroxypropyl acrylate      | 20 - 40 % | CLP: Eye Irrit. 2; H319.<br>Skin Sens. 1; H317.  |
| EINECS 212-782-2<br>CAS 868-77-9                                  | 2-Hydroxyethyl Methacrylate | 5 - 10 %  | CLP: Skin Irrit. 2; H315.<br>Eye Irrit. 2; H319. Skin Sens. 1; H317.   |
| REACH<br>01-2119475796-19-xxxx<br>EINECS 201-254-7<br>CAS 80-15-9 | Cumene hydroperoxide        | < 1 %     | CLP: Org. Perox. EF; H242.<br>Acute Tox. 4; H302. , Acute Tox. 4; H312<br>. Acute Tox. 3; H331, Skin Corr. 1A; H314.<br>STOT RE 2; H373.<br>Aquatic Chronic 2; H411. |
| EINECS 204-055-3<br>CAS 114-83-0                                  | 1-Acetyl-2-phenylhydrazine  | <0.1 %    | CLP: Acute Tox. 4; H312.<br>Skin Sens. 1; H317.<br>STOT SE 2; H371.  |

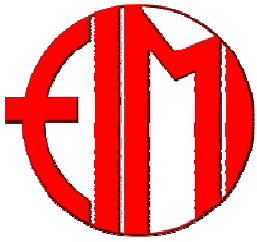
For the full text of the R and H phrases see section 16 (More info)

**SECTION 4. First aid measures.**

**4.1. Description of first aid measures.**  
 Inhalation: Accompany the person/s concerned in the open air Respiratory difficulties: consult a doctor.  
 Contact with skin: Wash with soap and water. Wash immediately with plenty of soap and water. If skin becomes irritated consult a physician.  
 Contact with eyes: Rinse open eyes immediately for 10 to 15 minutes, rinse with running water. Subsequently consult an eye doctor.  
 Ingestion: Rinse mouth, ingest 2-3 glasses of water and seek medical advice. Do NOT induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed.**  
 EYES: Irritation, conjunctivitis.  
 SKIN: Redness, hives, rash, irritation.  
 RESPIRATORY: Irritation, coughing, wheezing, tightness in the chest.

**4.3. Indication of any immediate medical attention and special treatment needed.**  
 See section: Description of first aid measures



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**idrocsmotek**  
WATER TREATMENT



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*Revision 3 of 13/05/2016*

**SECTION 5. Firefighting measures.**

**5.1. Extinguishing media.**

Water spray, carbon dioxide, dry chemical powder, foam

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

The following may arise in case of fire: smoke, sulphur oxides, nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

**5.3. Advice for firefighters.**

Special protective equipment for fire-fighters: Use an auto-respirator. Wear suitable protective clothing.  
Additional information: Prevent extinguishing water from flowing into surface and groundwater.

**SECTION 6. Accidental release measures.**

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

Provide adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours. .

**6.2. Environmental precautions.**

Prevent penetration in soil, waterways or sewage systems.

**6.3. Methods and material for containment and cleaning up.**

Absorb the liquid with absorbent materials (sand, sawdust, soil, acid binders, universal binder), and place in closed containers for disposal. Hazardous waste. The contaminated area must be cleaned with soap and water. Clean the floor and all contaminated objects.  
Additional information: High risk of slipping due to spillage / product capsizes.

**6.4. Reference to other sections.**

Any information on personal protection and disposal is given in sections 8 and 13.

**SECTION 7. Handling and storage.**

**7.1. Precautions for safe handling.**

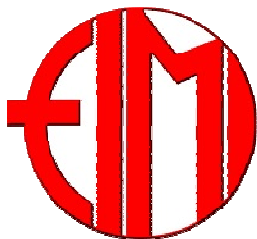
Information for safe handling:  
Ensure proper ventilation of storage and work areas.  
Ensure cleanliness in the workplace.  
Avoid contact with skin and eyes.  
Use automated application systems.

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

Requirements for storage and containers:  
Keep container tightly closed and dry. Protect from moisture. Keep only in the original container.  
Do not fill return product in the original container. Storage temperature: <25°C Storage advice: Do not store with oxidizing agents.  
Storage class: 10 = Combustible liquids not in LGK 3 7.3

**7.3. Specific end use(s).**

Information not available.



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**SECTION 8. Exposure controls/personal protection.**

**8.1. Control parameters.**

Additional information: Does not contain substances with a limit value for occupational exposure.

**8.2. Exposure controls.**

Use only in well-ventilated areas.

Limitation and exposure control in the workplace.

Respiratory protection: Respiratory protection is required in case of vapours, . Use a type A filter according to EN 14387.

Hand protection: Protective gloves against chemical agents EN 374, in nitrile rubber (according to EN 754). Replace worn or contaminated gloves. Minimum thickness of gloves 0.7 mm

Tightly sealed safety glasses according to EN 166: Eye Protection Body Protection: Wear suitable protective clothing.

Health and safety measures: Remove all contaminated clothing immediately.

Avoid inhalation of vapours/spray. Avoid contact with skin and eyes. Preventive skin protection.

Do not eat or drink in the workplace.

Wash hands before breaks and at end of work shifts.

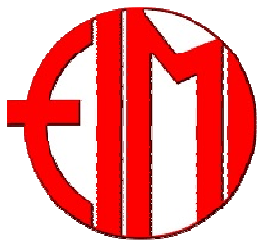
**SECTION 9. Physical and chemical properties.**

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

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Appearance:                           | Liquid / Dense                      |
| Colour:                               | Assorted colours                    |
| Odour:                                | Characteristic                      |
| pH:                                   | not applicable / available          |
| Boiling point / boiling range:        | not applicable / available          |
| flash point:                          | not applicable / available          |
| flammability (solid/gas):             | not applicable / available          |
| explosive properties:                 | not applicable / available          |
| oxidizing properties:                 | not applicable / available          |
| vapour pressure:                      | not applicable / available          |
| relative density:                     | not applicable / available          |
| solubility:                           | immiscible with water               |
| solubility in water:                  | not soluble in water                |
| partition coefficient n-octanol/water | not applicable / available          |
| viscosity:                            | 15 - 300.000 mpa.s (20 rpm at 20°C) |
| specific gravity (g/ml):              | 1.02 / 1.06                         |
| vapour density:                       | not applicable / available          |
| evaporation rate:                     | not applicable / available          |

**9.2. Other information.**

No data available 0  
0



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**SECTION 10. Stability and reactivity.**

**10.1. Reactivity.**

See Section 10.3

**10.2. Chemical stability.**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions.**

Reacts with strong acids and oxidizing agents

**10.4. Conditions to avoid.**

Keep away from heat.

**10.5. Incompatible materials.**

Oxidizing agents, strong reducing agents, acids

**10.6. Hazardous decomposition products.**

If heated or in case of fire: toxic fumes. In case of fire: sulphur oxides, nitrogen oxides (NO<sub>x</sub>), carbon monoxide and carbon dioxide. Decomposition thermal: No data available

**SECTION 11. Toxicological information.**

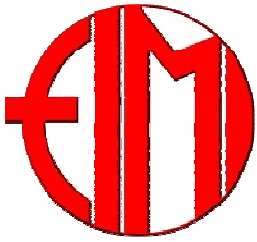
**11.1. Information on toxicological effects.**

ACUTE TOXICITY

| INGREDIENT                  | CAS        | TYPICAL VALUES   | VALUE - SPECIES                                     |
|-----------------------------|------------|--|---|
| Cumene hydroperoxide        | 80-15-9    | ORAL - LD 50 / 4 HOURS<br>INHALATION - LC 50 / 4 HOURS<br>DERMAL - LD 50 / 4 HOURS | 382 mg/Kg - RAT<br>220 ppm - RAT<br>500 mg/Kg - RAT |
| Hydroxypropyl acrylate      | 27813-02-1 | ORAL - LD50<br>DERMAL - LD50   | > 5,000 mg/Kg - RAT<br>> 5,000 mg/Kg - RABBIT       |
| 2-Hydroxyethyl Methacrylate | 868-77-9   | ORAL - LD50<br>DERMAL - LD50   | 5,564 mg/Kg - RAT<br>> 3,000 mg/Kg - RABBIT         |
| 1-Acetyl-2-Phenylhydrazine  | 114-83-0   | ORAL - LD50  | 270 mg/Kg - MOUSE                                   |

CORROSION - SKIN IRRITATION

| INGREDIENT                  | CAS      | RESULT                   | SPECIES |
|-----------------------------|----------|--------------------------|---------|
| Cumene hydroperoxide        | 80-15-9  | SKIN - CORROSIVE         | RABBIT  |
| 2-Hydroxyethyl Methacrylate | 868-77-9 | SKIN 24 HOURS - IRRITANT | RABBIT  |
| 1-Acetyl-2-Phenylhydrazine  | 114-83-0 | SKIN 24 HOURS - IRRITANT | RABBIT  |



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Revision 3 of 13/05/2016

**GERM CELL MUTAGENICITY**

| INGREDIENT           | CAS     | RESULT              | SPECIES - REFERENCE        |
|----------------------|---------|---------------------|----------------------------|
| Cumene hydroperoxide | 80-15-9 | POSITIVE / NEGATIVE | MOUSE - OECD guideline 471 |

LD50 oral: > 5000 mg / kg ((estimated))  
 Acute toxicity (oral): Lack of data.  
 Acute toxicity (dermal): Lack of data.  
 Acute toxicity (inhalation): Lack of data.  
 Skin corrosion: Lack of data.  
 Eye damage / irritation: Eye Irrit. 2; H319 = Causes severe eye irritation.  
 Respiratory sensitization: Lack of data.  
 Skin sensitisation: Skin Sens 1; H317 = May cause an allergic skin reaction. Germ cell mutagenicity / genotoxicity: Lack of data.  
 Carcinogenicity: Lack of data.  
 Reproductive toxicity: Lack of data.  
 Effects on breastfeeding or via breastfeeding: Lack of data.  
 Specific toxicity for target organs (single exposure): Lack of data.  
 Specific toxicity for target organs (repeated exposure): Lack of data.  
 Danger of inhalation: Lack of data.

**SECTION 12. Ecological information.**

**12.1. Toxicity.**

Hazard class for water: 1 = slightly hazardous

| INGREDIENT                  | CAS        | TYPICAL VALUES  |
|-----------------------------|------------|---|
| Cumene hydroperoxide        | 80-15-9    | Toxicity to fish LC50 - Oncorhynchus mykiss (Rainbow trout) - 3.9 mg/l - 96 h<br>Toxicity to daphnia and other aquatic invertebrates<br>EC50 - Daphnia magna (Water flea) - 16 mg/l - 24 h<br>Persistence and degradability: Biotic / Aerobic biodegradability<br>Readily biodegradable. Method: Closed bottle test |
| Hydroxypropyl acrylate      | 27813-02-1 | Toxicity to fish Continuous flow test - Leuciscus Idus - 493 mg/l - 48 h<br>Bacterial toxicity: EC 10 Pseudomonas putida - 1,140 mg/l - 16 h<br>Persistence and degradability:<br>Aerobic biodegradability Chemical oxygen demand<br>Result: 94% - Readily biodegradable. Method: Closed bottle test                |
| 2-Hydroxyethyl Methacrylate | 868-77-9   | Toxicity to fish Continuous flow test - Pimephales promelas (Fathead minnow) - 227 mg/l - 96 h<br>Persistence and degradability:<br>Aerobic biodegradability Chemical oxygen demand<br>Result: 84% - Readily biodegradable. Method: Closed bottle test  |
| 1-Acetyl-2-Phenylhydrazine  | 114-83-0   | No data available   |

**12.2. Persistence and degradability.**

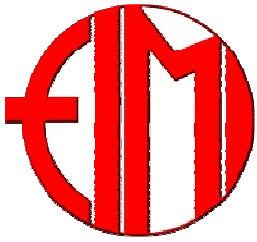
Information not available.

**12.3. Partition coefficient n-octanol/water**

Information not available.

**12.4. Mobility in soil.**

Information not available.



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**idrocosmotek**  
WATER TREATMENT



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

Information not available

**12.6. Other adverse effects.**

General notes: Do not allow penetration in soil, waterways or sewage systems.

**SECTION 13. Disposal considerations.**

**13.1. Waste treatment methods.**

Waste code (Directive 2008/98 / EC, decision 2001/118 / EC)

08 04 09: waste adhesives and sealants containing organic solvents or other hazardous substances. Depending on the sector and production process, other EURL hazardous waste codes may also be applicable according to Directive 2008/98 / EC.

Disposal methods: Disposal of product: Dispose of in accordance with all applicable local and national regulations. This product's contribution to waste is absolutely insignificant in comparison to the manufactured product on which it is used.

Packaging / Container: After usage, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in approved landfills, or incinerated. Disposal must be conducted according to official regulations.

Waste code: 08 04 09 waste adhesives and sealants containing organic solvents and other hazardous substances.

**SECTION 14. Transport information.**

**14.1. UN number.**

Not applicable - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

**14.2. UN proper shipping name.**

Not limited - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

**14.3. Transport hazard class(es).**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

**14.4. Packing group.**

Not applicable - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

**14.5. Environmental hazards.**

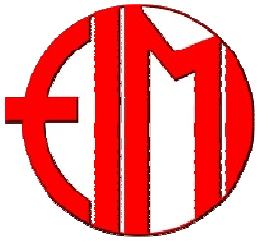
Marine pollutant - IMDG: No

**14.6. Special precautions for user.**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.**

No data available



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WATER TREATMENT



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## SAFETY DATA SHEET

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### ART. IDEALBLOCK/FORTE/PTFE

Revision 3 of 13/05/2016

#### SECTION 15. Regulatory information.

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

Specific safety, health and environmental regulations / legislation for the substance or mixture  
Volatile organic compounds (VOCs): 0 % (1999/13 / EC)

##### 15.2. Chemical safety assessment.

The chemical safety assessment was not performed.

#### SECTION 16. Other information.

Additional information

Abbreviations

PBT = persistent, bioaccumulative and toxic substances  
DSD Dangerous Substance Directive - Directive on Hazardous Substances  
DPD Dangerous Preparation Directive - Directive on Hazardous Preparations  
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

Full text of H-phrases referred to under Sections 2 and 3:

H226 = Flammable liquid and vapours.  
H242 = Risk of fire due to heating.  
H302 = Harmful if swallowed.  
H312 = Harmful in contact with skin.  
H314 = Causes severe skin burns and serious damage to eyes.  
H315 = Causes skin irritation.  
H317 = May cause an allergic skin reaction.  
H319 = Causes severe eye irritation.  
H331 = Toxic if inhaled.  
H332 = Toxic if inhaled.  
H371 = May cause damage to organs.  
H373 = May cause damage to organs in case of prolonged or repeated exposure.  
H400 = Extremely toxic to aquatic life.  
H411 = Toxic to aquatic life with long lasting effects.

The information contained refers to a group of specific identified materials. FIMI spa considers this information reliable at the time of writing of the SDS. It is the responsibility of the user to verify the validity of the product's characteristics in relation to production needs, and to take all necessary measures for the protection of people and property from situations that may occur through the product's implementation. FIMI spa does not recognize any explicit and/or tacit liability for damages of any kind, incidental or arising from the inappropriate use of the product, including lost revenues. This safety data sheet was prepared in accordance with EC Regulation 1907/2006 and provides information relative to the safe use of the product.