

## Safety data sheet

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

#### 1.1. Product identifier

Code: IDEAL-HARD PLUS  
Product name: Impregnation agent

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

Intended use

#### 1.3 Details of the supplier of the safety data sheet

Company name: IDEAL WORK SRL  
Address: Via Kennedy, 52  
Place and country: 31030 Vallà di Riese Pio X (TV)  
Italy  
tel. 0423 /4535  
fax 0423 /748429  
e-mail address for a competent person, responsible for the safety data sheet: [sicurezza@idealwork.it](mailto:sicurezza@idealwork.it)

#### 1.4 Emergency telephone number

For information in an emergency

Poison center:  
National Poisons Information Service (Birmingham Unit) City Hospital  
Dudley Rd Birmingham  
Telephone: +44 121 507 4123  
Fax: +44 121 507 55 88  
Emergency telephone: 844 892 0111

### SECTION 2. Hazards identification.

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

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )	H315: Causes skin irritation.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms:



**GHS05**  
Corrosion

hazard statements for health hazards	
H315	Causes skin irritation.
H318	Causes serious eye damage.
Precautionary statements Prevention	
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.


#### 2.3. Other hazards

No data available

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

#### 3.2. Mixtures

##### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 12627-14-4 EC No.: 235-730-0	Silicic acid, lithium salt Eye Dam. 1, Skin Irrit. 2  <b>Danger</b> H315-H318	11 – 19 Wt %

Full text of H- and EUH-phrases: see section 16

### SECTION 4. First aid measures.

#### 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

##### After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

##### After ingestion:

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

##### Self-protection of the first aider:

Use personal protection equipment.

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

.. Skin corrosion/irritation Serious eye damage/eye irritation

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

Treat symptomatically.

### SECTION 5. Firefighting measures.

#### 5.1. Extinguishing media

##### Suitable extinguishing media:

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

##### Unsuitable extinguishing media:

High power water jet

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

Pyrolysis products, toxic The product itself does not burn.

##### Hazardous combustion products:

Nitrogen oxides (NOx), Carbon dioxide (CO2), Carbon monoxide In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.●

#### 5.4. Additional information

Dispose of waste according to applicable legislation. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6. Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures 6.1.1. For non-emergency personnel

**Personal precautions:**

Special danger of slipping by leaking/spilling product. Provide adequate ventilation. Remove persons to safety.

**Protective equipment:**

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

#### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

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

**For containment:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up:**

Wipe up with absorbent material (eg. cloth, fleece). Wash with plenty of water. Water (with cleaning agent)

**Other information:**

Treat the recovered material as prescribed in the section on waste disposal.

#### 6.4. Reference to other sections

... Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling Protective measures

**Advices on safe handling:**

Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

Usual measures for fire prevention. No special measures are necessary.

**Measures to prevent aerosol and dust generation:** Use only in well-ventilated areas.

**Environmental precautions:**

Do not allow to enter into surface water or drains.

**Advices on general occupational hygiene**

Wash hands before breaks and after work. Use protective skin cream before handling the product. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

**Technical measures and storage conditions:**

Keep container tightly closed in a cool, well-ventilated place.

**Packaging materials:**

Keep/Store only in original container.

**Requirements for storage rooms and vessels:**

The floor should be leak tight, jointless and not absorbent.

**Hints on storage assembly:**

Do not store together with: Food and feeding stuffs

**Storage class:** 12 – non-combustible liquids that cannot be assigned to any of the above storage classes

**Further information on storage conditions:**

Protect containers against damage. Keep away from heat.

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

**Recommendation:**

Observe technical data sheet.

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

#### 8.1. Control parameters

No data available

#### 8.2. Exposure controls

**8.2.1. Appropriate engineering controls** Technical measures to prevent exposure

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Eye glasses with side protection DIN EN 166 **Skin protection:**

. Butyl caoutchouc (butyl rubber), > 120. Tested protective gloves must be worn DIN EN 374 Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: aerosol or mist formation. Filtering device (full mask or mouthpiece) with filter: P2

##### Other protection measures:

Do not breathe vapor/aerosol. Avoid contact with eyes and skin. Wear suitable protective clothing and gloves.

#### 8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

#### 8.3. Additional information

No data available

### SECTION 9. Physical and chemical properties.

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

##### Appearance

**Physical state:** liquid

**Color:** clear

**Odor:** odorless

##### Safety relevant basis data

parameter		at °C	Method	Remark
pH	11	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 100			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not applicable</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapor pressure	<i>not determined</i>			
Vapor density	<i>not determined</i>			
Density	<i>not determined</i>			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	completely miscible			
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

#### 9.2. Other information

No data available



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### SECTION 10. Stability and reactivity.

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions. The product itself does not burn.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions Exothermic reaction with: Acid

#### 10.4. Conditions to avoid

See section 7. No additional measures necessary.

#### 10.5. Incompatible materials

Materials to avoid: Acid, Light metals (Formation of: Hydrogen)

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire: Gases/vapors, toxic

### SECTION 11. Toxicological information.

#### 11.1. Information on toxicological effects

##### Acute oral toxicity:

The classification criteria for this hazard class are not met by definition.

##### Acute dermal toxicity:

The classification criteria for this hazard class are not met by definition.

##### Acute inhalation toxicity:

The classification criteria for this hazard class are not met by definition.

##### Skin corrosion/irritation: Causes burns.

##### Eye damage/irritation:

Causes serious eye damage.

##### Respiratory or skin sensitisation:

The classification criteria for this hazard class are not met by definition.

##### Germ cell mutagenicity:

The classification criteria for this hazard class are not met by definition.

##### Carcinogenicity:

The classification criteria for this hazard class are not met by definition.

##### Reproductive toxicity:

The classification criteria for this hazard class are not met by definition.

##### STOT-single exposure:

The classification criteria for this hazard class are not met by definition.

##### STOT-repeated exposure:

The classification criteria for this hazard class are not met by definition.

##### Aspiration hazard:

The classification criteria for this hazard class are not met by definition.

##### Additional information:

No data available

### SECTION 12. Ecological information.

#### 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

CAS No.	Substance name	Results of PBT and vPvB assessment
12627-14-4	Silicic acid, lithium salt	—

#### 12.6. Other adverse effects No data available

### SECTION 13. Disposal considerations.

#### 13.1. Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. **13.1.1. Product/Packaging disposal**

Waste codes/waste designations according to EWC/AVV **Waste code product:**

06 02 05 *	other bases
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\*: Evidence for disposal must be provided.

#### Waste code packaging:

15 01 10	packaging containing residues of or contaminated by dangerous substances
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#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Completely emptied packages can be recycled.

**13.2. Additional information** No data available

### SECTION 14. Transport information.

No dangerous good in sense of these transport regulations

**14.1. UN-No.** –

**14.2. UN proper shipping name** --

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

**14.4. Packing group** –

**14.5. Environmental hazards** –

**14.6. Special precautions for user** –

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** not applicable

### SECTION 15. Regulatory information.

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.1.1. EU legislation

##### Other regulations (EU):

91/689/EEC, 2001/118/EC, 1999/13/EC, 2004/42/EC, (EC) No. 1907/2006, (EC) No. 648/2004, (EC) No.

1272/2008, 75/324/EEC, 2008/47/EC, (EC) No. 453/2010, 2008/68/EC

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOCguideline): VOC-value (in g/L): 0

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

VOC-value (in g/L): 0

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

**15.2. Chemical Safety Assessment** not applicable

**15.3. Additional information** No data available•

### SECTION 16. Other information.

**16.1. Indication of changes** No data available

**16.2. Abbreviations and acronyms** See overview table at [www.euphrac.eu](http://www.euphrac.eu)

**16.3. Key literature references and sources for data** No data available

**16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

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**16.5. Relevant R-, H- and EUH-phrases (Number and full text)**

Hazard statements
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H315	Causes skin irritation.
H318	Causes serious eye damage.

**16.6. Training advice** No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new makeup material.