

# Safety Data Sheet



## 1. Identification

**Product Information:** 00237002

**Family:** 505

**Product Name:** PEGA FAST

**Recommended Use:** Resins

**Supplied by/Manufacturer:** SUR QUIMICA S.A.  
Calle 38, contiguo al Cementerio La Uruca.  
San José, Costa Rica, Centroamérica  
Tel Información: (506) 2211-3700,  
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**Safety Data Sheet Coordinator:** sds@gruposur.com

## 2. Hazards Identification

### GHS Classification

Aquatic Acute 3, Aquatic Chronic 3, Carc. 2, Eye Irrit. 2A, Repr. 1A, Resp. Sens. 1, Skin Irrit. 2, Skin Sens. 1

### Symbol(s) of Product



### Signal Word

Danger

### GHS HAZARD STATEMENTS

Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2A	H319	Causes serious eye irritation.
Respiratory Sensitizer, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
Reproductive Toxicity, category 1A	H360	May damage fertility or the unborn child.
Hazardous to the aquatic environment, Acute, category 3	H402	Harmful to aquatic life.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

### GHS LABEL PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	In case of inadequate ventilation wear respiratory protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see FIRST AIDS on this sheet).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Remove the contents / container according to the General Regulation for the Classification and Management of Hazardous Waste No. 41527-S-MINAE (Applies to Costa Rica). Dispose of contents/container in accordance with local/regional/national/ international regulations.

### 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Isocianato de 3-isocianatometil-3,5,5-trimetilciclohexilo	4098-71-9	2.5-10	GHS07-GHS08-GHS09	H303-315-317-319-334-335-411
Xilene	1330-20-7	2.5-10	GHS07	H303-313-315
Acetato de Etilo	141-78-6	2.5-10	GHS02-GHS07	H225-319-336
Toluene Diisocyanate	584-84-9	2.5-10	GHS06-GHS08	H315-317-319-330-334-335-351-402-412
n-Butyl Acetate	123-86-4	2.5-10	GHS02-GHS07	H225-315-320-332-336-402
Diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	1.0-2.5	GHS06	H303-331
Diphenylmethane Diisocyanate	9016-87-9	1.0-2.5	GHS07-GHS08	H303-315-317-319-332-334-335-351-373
Triethyl orthoformate	122-51-0	1.0-2.5	GHS02	H226
Dilaurato de dibutilestaño	77-58-7	0.1-1.0	GHS05-GHS07-GHS08-GHS09	H303-313-314-317-341-360-370-372-400-410
4-Toluenosulfonil-isocianato	4083-64-1	0.1-1.0	GHS07-GHS08	H303-315-319-334-335

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

### 4. First-aid Measures



**FIRST AID - INHALATION:** Artificial respiration and/or oxygen may be necessary. Keep the victim calm. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Oxygen or artificial respiration if needed. If inhaled, remove to fresh air. Give oxygen if necessary. Consult a physician if symptoms persist or exposure is severe.

**FIRST AID - SKIN CONTACT:** Seek medical advice. In case of skin contact, wash immediately with plenty of water for at least 20 minutes. In case of contact, wash skin immediately with soap and water. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. In case of burns, immediately wash skin with cold water. Seek medical advice. Do not remove clothes stick to the skin. Seek medical advice.

**FIRST AID - EYE CONTACT:** Flush eye(s) immediately with plenty of water. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**FIRST AID - INGESTION:** If ingested, do not induce vomiting. If conscious, drink 8-10 oz. of water promptly. Call a physician immediately.

### 5. Fire-fighting Measures

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Not flammable. No special fire-fighting procedures are required.

**SPECIAL FIREFIGHTING PROCEDURES:** Not combustible. Non-combustible substances do not ignite on their own.

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam, Water Fog

### 6. Accidental Release Measures

**ENVIRONMENTAL MEASURES:** Do not allow to enter drains, sewers, or sewers. Inform the authorities in the event of a leak in natural water courses or in the sewage system.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contains isocyanates. In order to neutralize the isocyanate, the

area of ??the spill can be decontaminated with the following recommended solution: Mix of 90% water, 8% concentrated ammonia and 2% detergent. Add in a ratio of 10 to 1. Allow to stand at least 48 hours to allow carbon dioxide to escape. For the treatment of waste, clean the area of ??the spill with decontaminating solution, let the solution rest for at least 10 minutes

## 7. Handling and Storage



**HANDLING:** Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flash back may occur. Never use air pressure for transferring product. Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Take precautionary measures against static discharges. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning.

**STORAGE:** It contains isocyanates. Possibility of CO<sub>2</sub> overpressure formation. Keep the container tightly closed and in a well-ventilated place. Storage temperature: 0 to 38 ° C.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Isocianato de 3-isocianatometil-3,5,5-trimetilciclohexilo	0.005	N.E.	N.D.	N.E.
Xilene	20 ppm 8h	150 ppm 15 min	100 ppm 8h	N.E.
Acetato de Etilo	310 ppm	N.E.	400 ppm	N.E.
Toluene Diisocyanate	N.D.	N.E.	N.E.	N.E.
n-Butyl Acetate	150 ppm	N.E.	N.E.	N.E.
Diphenylmethane-4,4'-diisocyanate (MDI)	0.005	N.E.	N.E.	N.E.
Diphenylmethane Diisocyanate	0.005	N.E.	N.E.	N.E.
Triethyl orthoformate	N.E.	N.E.	N.E.	N.E.
Dilaurato de dibutilestaño	N.E.	N.E.	N.E.	N.E.
4-Toluenosulfonil-isocianato	N.D.	N.E.	N.D.	N.E.

**Further Advice:** MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established

### Personal Protection



**RESPIRATORY PROTECTION:** In case of insufficient ventilation, wear suitable respiratory equipment.



**SKIN PROTECTION:** Do not wear leather gloves. Wear nitrile or neoprene gloves. Gloves should be inspected before use. Use the correct technique to remove the gloves (without touching the exterior surface) to prevent skin contact with the product.



**EYE PROTECTION:** No Information



**OTHER PROTECTIVE EQUIPMENT:** No Information



**HYGIENIC PRACTICES:** Wash hands and face before breaks and immediately after handling the product. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Liquid	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Characteristic	<b>Odor Threshold, ppb:</b>	No Information
<b>Density, g/ml:</b>	1.384	<b>pH:</b>	N.A.
<b>Freeze Point, °C:</b>	No Information	<b>Viscosity, cP:</b>	100000 - 1500000
<b>Solubility in Water:</b>	No	<b>Partition Coefficient, n-octanol/water:</b>	No Information
<b>Decomposition temperature, °C</b>	No Information		
<b>Boiling Range, °C:</b>	0 - 0	<b>Explosive Limits, %:</b>	0.0 - 99.0
<b>Combustibility:</b>	Sin Información	<b>Flash Point, °C:</b>	100
<b>Evaporation Rate:</b>		<b>Auto-Ignition Temperature, °C</b>	No Information
<b>Vapor Density:</b>		<b>Vapor Pressure, mmHg:</b>	No Information

(See "Other information" Section for abbreviation legend)

## 10. Stability and Reactivity

**STABILITY:** Contains Isocyanate. Reacts with water to form carbon dioxide. Explosion risk Reactions with alcohols. Reactions with acids. Reactions with alkalis (bases). Reactions with amines. Danger of exothermic reaction. Polymerization hazard. Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Avoid atmospheric humidity Keep away from sources of ignition: heat, flame and sparks. Protect from water.

**INCOMPATIBILITY:** Incompatible with acids, amines, alcohols, water, Alkaline, strong bases, Substances and / or products that react with isocyanates. Isocyanate reacts with water to form carbon dioxide. Explosion risk Reactions with alcohols. Reactions with acids. Reactions with alkalis (bases). Reactions with amines. Contact with water liberates toxic gas. Oxidizing agents, strong acids and strong bases. Keep away from strong oxidizing agents, heat and open flames.

**HAZARDOUS DECOMPOSITION PRODUCTS:** It can produce carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases / vapors.

## 11. Toxicological Information



### Practical Experiences

### INFORMATION ON TOXICOLOGICAL EFFECTS

**Acute Toxicity:** No Information

**Skin corrosion/irritation:** It causes severe burns on the skin. Direct dermal contact for a prolonged period can cause skin damage because it removes the lipids present, causing dryness, cracking and dermatitis; to these effects a break and fall of the exposed skin can follow.

**Serious eye damage/eye irritation:** Causes serious eye injuries. Severely irritating to the eyes. It can cause severe burns to eyes and skin. Adverse symptoms may include pain, tearing and redness.

**Respiratory or skin sensitisation:** No Information

**Germ cell mutagenicity:** No Information

**Carcinogenicity:** No Information

**Reproductive toxicity:** No Information

**Specific target organ toxicity - single exposure:** It contains isocyanate. Inhalation of vapors may cause respiratory irritation, shortness of breath, chest discomfort, and reduced lung function. Overexposure well above permissible exposure levels may cause bronchitis, bronchial spasms, and pulmonary edema.

**Specific target organ toxicity - repeated exposure:** It contains isocyanates. It has been shown that long-term exposure to isocyanates causes damage to the lungs, including a reduction in lung function that may be permanent. Acute or chronic overexposure to isocyanates can cause sensitization in some people, causing allergic respiratory reactions, including wheezing, shortness of breath and shortness of breath, animal tests indicate that after contact with the skin can cause respiratory sensitization.

**Aspiration hazard:** No Information

**Acute Toxicity Values**

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50 (mg/kg)</u>	<u>Vapor LC50</u>
4098-71-9	Isocianato de 3-isocianatometil-3,5,5-trimetilciclohexilo	4814	>7000	31
1330-20-7	Xilene	4300	>4200	30
141-78-6	Acetato de Etilo	5620	18000	1600
584-84-9	Toluene Diisocyanate	6170	>16000	1
123-86-4	n-Butyl Acetate	10760	>14000	>20
101-68-8	Diphenylmethane-4,4'-diisocyanate (MDI)	4130	>9000	10
9016-87-9	Diphenylmethane Diisocyanate	>2000	>5000	10
122-51-0	Triethyl orthoformate	7060	18000	N.I.
77-58-7	Dilaurato de dibutilestaño	2071	>2000	>20
4083-64-1	4-Toluenosulfonil-isocianato	2600	>5000	>20

N.I. = No Information

**Toxicidad Dermal del producto:** 65,813.88 mg/kg

## 12. Ecological Information

**Toxicity:** No Information

**Persistence and Degradability:** No Information

**Bioaccumulative potential:** No Information

**Mobility in the soil:** No Information

**Other adverse effects:** No Information

## 13. Disposal Information

**DISPOSAL METHOD:** Prevent entry into waterways, sewers, basements or confined areas.

## 14. Transport Information

**SPECIAL TRANSPORT PRECAUTIONS:** No Information

### Sea Transport

<b>UN Number:</b>	Not regulated
<b>IMDG/GGVSee Class:</b>	Not regulated
<b>Packing Group:</b>	III
<b>Shipping Name:</b>	Not regulated
<b>Marine Pollutant:</b>	No
<b>Shipping Hazard(Marine Pollutant):</b>	No Information

### Air Transport

<b>UN Number:</b>	Not regulated
<b>ICAO/IATA Class:</b>	No regulado
<b>Packing Group:</b>	III
<b>Shipping Name:</b>	Not regulated

## 15. Regulatory Information

No information available

**16. Other Information**

Revision Date: 3/7/2025      Supersedes Date: New MSDS

Reason for revision: No Information

Datasheet produced by: SUR Química S.A.

**Hazardous Material Information System: HMIS**

Health	2	Flammability	1	Reactivity	0	Personal Protection	G	Chronic Hazard	Sí	Target Organ	PULMONES
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**National Fire Protection Association: NFPA**

Flammability	1	Health	2	Reactivity	0	Special Hazards	N/A
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**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H402	Harmful to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS02



GHS05



GHS06



GHS07



GHS08



**GHS09**

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained in this safety sheet has been prepared for SUR QUIMICA S.A. based on the data provided by suppliers and manufacturers of the raw materials involved. This document is intended to be a guide for safe use according to use. The user receiving this information must be properly trained and be able to use his independent judgment to determine its applicability in particular uses. This safety data sheet (SDS) does not in any way exempt the user from knowing and complying with the good practices and rules of use applicable to their activity. The user must assume full responsibility to know and take precautions related to the use of the product. The exposure scenario is subject to revision and changes. The user must ensure that they have the latest version of the FDS. The updated versions are available on the website [www.gruposur.com](http://www.gruposur.com)