



**SAFETY DATA SHEET
INSULCURE 20 PT B**

1. Identification

Product identifier

Product name INSULCURE 20 PT B

Recommended use of the chemical and restrictions on use

Application Hardener.

Details of the supplier of the safety data sheet

Supplier

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
mail@itwpp.com

Emergency telephone number

Emergency telephone +44(0)1235 239 670 (24h)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f

Environmental hazards Aquatic Chronic 3 - H412

Label elements

Pictogram



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P260 Do not breathe vapor/ spray.</p> <p>P261 Avoid breathing vapor/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing must not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 If exposed or concerned: Get medical advice/ attention.</p> <p>P310 Immediately call a poison center/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains	4,4'-ISOPROPYLIDENEDIPHENOL, 3,6,9-TRIAZUNDECAMETHYLENEDIAMINE, DIETHYLENETRIAMINE
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3. Composition/information on ingredients

Mixtures

3,6,9-TRIAZUNDECAMETHYLENEDIAMINE	5-10%
CAS number: 112-57-2	
Classification	
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
4,4'-ISOPROPYLIDENEDIPHENOL	5-10%
CAS number: 80-05-7	
Classification	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Repr. 2 - H361f	
STOT SE 3 - H335	

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DIETHYLENETRIAMINE	1-5%
CAS number: 111-40-0	
Classification	
Acute Tox. 4 - H302	
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Get medical attention immediately. Do not induce vomiting. Rinse mouth.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Chemical burns must be treated by a physician.
Eye contact	May cause permanent damage if eye is not immediately irrigated. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Ingestion	This product is corrosive. Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May cause severe internal injury.
Skin contact	Corrosive to skin and eyes. Causes burns. Allergic rash.
Eye contact	This product is corrosive. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with carbon dioxide or dry powder. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Hazardous combustion products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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Advice for firefighters

Protective actions during firefighting	Keep up-wind to avoid fumes. Control run-off water by containing and keeping it out of sewers and watercourses.
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Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapors and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces.

Environmental precautions

Environmental precautions Avoid or minimize the creation of any environmental contamination.

Methods and material for containment and cleaning up

Methods for cleaning up Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

Reference to other sections For personal protection, see Section 8. For waste disposal, see section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Good personal hygiene procedures should be implemented. Provide adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Store away from incompatible materials (see Section 10).

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

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Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 8 hours. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.
Other skin and body protection	Wear apron or protective clothing in case of contact.
Hygiene measures	Provide eyewash station and safety shower. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Check that the respirator fits tightly and the filter is changed regularly. Wear a respirator fitted with the following cartridge: Organic vapor filter. Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Colored liquid.
Color	Amber.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	>160°C @
Flash point	>93°C Not specified.
Evaporation rate	Not determined.
Vapor pressure	<1 mm Hg @ °C
Volatile organic compound	This product contains a maximum VOC content of 0 .

10. Stability and reactivity

Reactivity	The following materials may react with the product: Oxidizing materials.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	Avoid heat. Avoid contact with the following materials: Strong oxidizing agents. Reactions with the following materials may generate heat: Alkalis. Amines. Avoid contact with acids.
Materials to avoid	Strong acids. Alkalis - organic. Strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

ATE dermal (mg/kg) 11,000.0

Inhalation	Vapors may irritate throat/respiratory system. Symptoms following overexposure may include the following: Coughing. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, esophagus and stomach.
Skin Contact	Irritating to skin. The product contains a small amount of sensitizing substance. May cause sensitization or allergic reactions in sensitive individuals. May cause sensitization or allergic reactions in sensitive individuals.
Eye contact	Risk of serious damage to eyes. May cause blurred vision and serious eye damage.
Route of entry	Inhalation Ingestion. Skin and/or eye contact
Target Organs	Eyes Skin Respiratory system, lungs
Medical considerations	May cause skin sensitization or allergic reactions in sensitive individuals.

12. Ecological Information

Ecotoxicity	The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
<u>Persistence and degradability</u>	
Persistence and degradability	No data available.
<u>Other adverse effects</u>	
Other adverse effects	Not determined.

13. Disposal considerations

Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

UN Number

UN No. (TDG)	2735
UN No. (IMDG)	2735
UN No. (ICAO)	2735
UN No. (DOT)	2735

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UN proper shipping name

Proper shipping name (TDG) POLYAMINES, LIQUID, CORROSIVE, N.O.S (DIETHYLENETRIAMINE)

Proper shipping name (IMDG) POLYAMINES, LIQUID, CORROSIVE, N.O.S (DIETHYLENETRIAMINE)

Proper shipping name (ICAO) POLYAMINES, LIQUID, CORROSIVE, N.O.S (DIETHYLENETRIAMINE)

Proper shipping name (DOT) POLYAMINES, LIQUID, CORROSIVE, N.O.S (DIETHYLENETRIAMINE)

Transport hazard class(es)

TDG class 8

TDG label(s) 8

IMDG Class 8

ICAO class/division 8

Transport labels



Packing group

TDG Packing Group III

IMDG packing group III

ICAO packing group III

DOT packing group III

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

EmS F-A, S-B

15. Regulatory information

16. Other information

Revision date 4/4/2018

Revision 4

Supersedes date 4/29/2016

Hazard statements in full

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H361f Suspected of damaging fertility.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.