SAFETY DATA SHEET
INSULCURE 11B PT B

1. Identification

Product identifier

Product name INSULCURE 11B PT B

Recommended use of the chemical and restrictions on use

Application Casting compound

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 Acute Tox. 4 - H302 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Carc. 2 - H351

Environmental hazards Aquatic Chronic 2 - H411

Label elements

Pictogram

Signal word Danger

Hazard statements

H302 Harmful if swallowed.
H311+H331 Toxic in contact with skin or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H411 Toxic to aquatic life with long lasting effects.

INSULCURE 11B PT B

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapor/ spray.
P261 Avoid breathing vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 If swallowed: Immediately call a poison center/ doctor.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P352 If on skin: Wash with plenty of water.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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.
P311 Call a poison center/ doctor.
P312 Call a poison center/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE), 2-ETHYL-4-METHYLIMIDAZOLE, 4-Methylimidazole

3. Composition/information on ingredients

Mixtures

2,2'-DIMETHYL-4,4'-METHYLENEBIS(CYCLOHEXYLAMINE) **60-100%**

CAS number: 6864-37-5

Classification

Acute Tox. 4 - H302
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1A - H314
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

INSULCURE 11B PT B

2-ETHYL-4-METHYLIMIDAZOLE	1-5%
CAS number: 931-36-2	

Classification
Acute Tox. 4 - H302
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Skin Sens. 1B - H317

4-Methylimidazole	<1%
CAS number: 822-36-6	

Classification
Acute Tox. 4 - H302
Acute Tox. 3 - H311
Skin Corr. 1B - H314
Carc. 2 - H351

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

4. First-aid measures

Description of first aid measures

General information Immediate first aid is imperative. Remove contaminated clothing. First aid personnel should wear appropriate protective equipment during any rescue.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary.

Ingestion Get medical attention immediately. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Skin Contact It is important to remove the substance from the skin immediately. Remove contaminated clothing and rinse skin thoroughly with water. Chemical burns must be treated by a physician. Get medical attention if irritation persists after washing.

Eye contact Get medical attention immediately. Continue to rinse for at least 15 minutes and get medical attention. Remove any contact lenses and open eyelids wide apart.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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.

Inhalation Toxic by inhalation.

Ingestion This product is corrosive. Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach. May cause severe internal injury.

Skin contact Toxic in contact with skin. 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.

INSULCURE 11B PT B

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, carbon dioxide or dry powder for extinction. Water spray, fog or mist.

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 Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting In case of fire: Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapors.

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 Keep unnecessary and unprotected personnel away from the spillage. Avoid inhalation of vapors and contact with skin and eyes. Avoid contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Avoid release to the environment. To prevent release, place container with damaged side up. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge into drains or watercourses or onto the ground. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Move containers from spillage area. Provide adequate ventilation. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Absorb spillage with non-combustible, absorbent material. Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.

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 Restricted to professional users. Do not handle until all safety precautions have been read and understood. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not breathe vapour/spray. Avoid contact with skin and eyes. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Eye wash facilities and emergency shower must be available when handling this product.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Wash promptly if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse. Wash after use and before eating, smoking and using the toilet.

INSULCURE 11B PT B

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store locked up. Store away from incompatible materials (see Section 10).

Storage class Toxic storage. Corrosive storage.

Specific end uses(s)

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

Usage description Provide adequate ventilation.

8. Exposure Controls/personal protection

Exposure controls

Appropriate engineering controls This product should not be used under conditions of poor ventilation unless a NIOSH approved organic vapor respirator is used. Follow OSHA 1910.134 in the selection and use of respirators. Provide adequate general and local exhaust ventilation. Mechanical ventilation or local exhaust ventilation may be required. Avoid inhalation of vapors.

Personal protection Do not breathe vapor/spray.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection 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. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 8 hours. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene measures Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Promptly remove any clothing that becomes wet or contaminated.

Respiratory protection Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. 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 Liquid.

Color Amber.

Odor Amine.

Flash point > 93.3°C

Relative density 0.95

10. Stability and reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

INSULCURE 11B PT B

Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Keep away from heat, sparks and open flame. Avoid contact with the following materials: Strong oxidizing agents.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	561.8

Acute toxicity - dermal

ATE dermal (mg/kg)	349.24

Acute toxicity - inhalation

ATE inhalation (gases ppm)	823.53
ATE inhalation (vapours mg/l)	3.53
ATE inhalation (dusts/mists mg/l)	0.59

Inhalation	Toxic if inhaled.
Ingestion	Harmful if swallowed. May cause chemical burns in mouth, esophagus and stomach.
Skin Contact	Toxic in contact with skin. Causes severe burns.
Eye contact	Causes serious eye damage.

12. Ecological Information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Toxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Persistence and degradability	No data available.

Bioaccumulative potential

Bio-Accumulative Potential	No data available on bioaccumulation.

Mobility in soil

Mobility	No data recorded.

Other adverse effects

Other adverse effects	None known.

13. Disposal considerations

INSULCURE 11B PT B

Waste treatment methods

General information Dispose of waste via a licensed waste disposal contractor. Dispose of waste product or used containers in accordance with local regulations This material and its container must be disposed of as hazardous waste.

Disposal methods Dispose of this material and its container to hazardous or special waste collection point. Dispose of waste via a licensed waste disposal contractor. Dispose of waste product or used containers in accordance with local regulations

Waste class 08 04 99

14. Transport information

UN Number

UN No. (TDG) 2922

UN No. (IMDG) 2922

UN No. (ICAO) 2922

UN No. (DOT) 2922

UN proper shipping name

Proper shipping name (TDG) CORROSIVE LIQUID, TOXIC, N.O.S. (Cycloaliphatic amines)

Proper shipping name (IMDG) CORROSIVE LIQUID, TOXIC, N.O.S. (Cycloaliphatic amines)

Proper shipping name (ICAO) CORROSIVE LIQUID, TOXIC, N.O.S. (Cycloaliphatic amines)

Proper shipping name (DOT) CORROSIVE LIQUID, TOXIC, N.O.S. (Cycloaliphatic amines)

Transport hazard class(es)

TDG class 8

TDG subsidiary risk 6.1

TDG label(s) 8

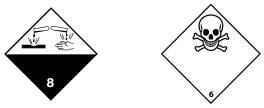
IMDG Class 8

IMDG subsidiary risk 6.1

ICAO class/division 8

ICAO subsidiary risk 6.1

Transport labels



Packing group

TDG Packing Group II

IMDG packing group II

ICAO packing group II

DOT packing group II

Environmental hazards

INSULCURE 11B PT B

Environmentally Hazardous Substance

Special precautions for user

EmS F-A, S-B

15. Regulatory information

16. Other information

Revision date 4/4/2018

Revision 3

Supersedes date 4/29/2016

SDS No. 20691

Hazard statements in full

H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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H331 Toxic if inhaled.
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H411 Toxic to aquatic life with long lasting effects.