



**SAFETY DATA SHEET**  
**ULTRA QUARTZ SURFACE PRIMER HARDENER**

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

**1.1. Product identifier**

**Product name** ULTRA QUARTZ SURFACE PRIMER HARDENER

**Product number** 13550

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

**Identified uses** Hardener. Primer.

**Uses advised against** No specific uses advised against are identified.

**1.3. 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

**1.4. Emergency telephone number**

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

**SECTION 2: Hazards identification**

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

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Muta. 2 - H341 STOT RE 2 - H373

**Environmental hazards** Aquatic Chronic 3 - H412

**2.2. Label elements**

**Pictogram**



**Signal word**

**Danger**

## ULTRA QUARTZ SURFACE PRIMER HARDENER

<b>Hazard statements</b>	<p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H331 Toxic if inhaled.</p> <p>H341 Suspected of causing genetic defects.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</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>P310 Immediately call a POISON CENTER/ doctor.</p>
<b>Contains</b>	TRIMETHYLHEXAMETHYLENEDIAMINE, PHENOL
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P260 Do not breathe vapour/ spray.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</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>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P311 Call a POISON CENTER/ doctor.</p> <p>P314 Get medical advice/ attention if you feel unwell.</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>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>TRIMETHYLHEXAMETHYLENEDIAMINE</b>	<b>30-60%</b>
CAS number: 25620-58-0	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	

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<b>PHENOL</b>	<b>10-30%</b>
CAS number: 108-95-2	EC number: 203-632-7
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Muta. 2 - H341 STOT RE 2 - H373	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
<b>Inhalation</b>	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Wash skin thoroughly with soap and water. Continue to rinse for at least 15 minutes. Get medical attention. Chemical burns must be treated by a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for 30 minutes. Get medical attention immediately. Continue to rinse.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Toxic by inhalation. Toxic: danger of very serious irreversible effects through inhalation.
<b>Ingestion</b>	Toxic if swallowed. Causes severe burns.
<b>Skin contact</b>	Toxic in contact with skin. Causes severe burns.
<b>Eye contact</b>	Causes severe burns.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use the following: Foam. Water spray, fog or mist.

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

## ULTRA QUARTZ SURFACE PRIMER HARDENER

<b>Specific hazards</b>	May explode when heated or when exposed to flames or sparks. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
<b>Hazardous combustion products</b>	Toxic and corrosive gases or vapours. Carbon monoxide (CO).
<b>5.3. Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Warn everybody of potential hazards and evacuate if necessary.

### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin and eyes. Wear suitable protective clothing. Butyl rubber. Wear self-contained breathing apparatus. Provide adequate ventilation. Eliminate all sources of ignition. Do not breathe vapour. In case of spills, beware of slippery floors and surfaces.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Do not touch or walk into spilled material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Provide adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Wash hands after contact. Discard contaminated shoes and clothing. Wash at the end of each work shift and before eating, smoking and using the toilet.
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#### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Keep away from heat, sparks and open flame. Do not store near heat sources or expose to high temperatures. Store in tightly-closed, original container in a well-ventilated place.
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#### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

PHENOL

## ULTRA QUARTZ SURFACE PRIMER HARDENER

Long-term exposure limit (8-hour TWA): WEL 2 ppm(Sk)

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

### Ingredient comments

WEL = Workplace Exposure Limits

### 8.2. 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 or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 8 hours. 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. Wear protective gloves made of the following material: Butyl rubber. Neoprene.

#### Other skin and body protection

Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. Wash hands after contact. When using do not eat, drink or smoke.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Organic vapour filter. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Gas and combination filter cartridges should comply with European Standard EN14387.

## SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Amber.
Odour	Irritating.
pH	pH (diluted solution): Alkaline 5% Solution
Initial boiling point and range	>100°C @
Flash point	123.8°C PMCC (Pensky-Martens closed cup).
Vapour pressure	<20.7 mm Hg @ °C
Relative density	1.0 @ °C

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**Solubility(ies)** Slightly soluble in water.

### 9.2. Other information

**Other information** Not available.

**Volatile organic compound** Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Strong oxidising agents.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available.

### 10.4. Conditions to avoid

**Conditions to avoid** Keep away from heat, sparks and open flame.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with oxidising agents. Strong mineral acids. Acids - organic. Reactive Metals. Sodium and Calcium Hypochlorite Peroxides

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of the following substances: Carbon. Nitrogen. Ammonia. Nitric acid (HNO<sub>3</sub>). Aldehydes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 45,479.0

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 200,133.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 3.0

**General information** Possible risk of irreversible effects.

**Inhalation** Toxic by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Inhalation of vapour or mist may cause lung oedema. Effects may be delayed. Keep affected person under observation.

**Ingestion** Toxic if swallowed. Corrosive. Small amounts may cause serious damage. May cause burns in mucous membranes, throat, oesophagus and stomach. Very toxic if swallowed. May cause liver and/or renal damage. Convulsions. Central nervous system depression.

**Skin contact** Toxic in contact with skin. Corrosive. Prolonged contact causes serious tissue damage. May be absorbed through the skin. Gastrointestinal symptoms, including upset stomach. Headache.

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**Eye contact** This product is strongly corrosive. Immediate first aid is imperative. Vapour or spray may cause eye damage, impaired sight or blindness.

**Route of entry** Skin and/or eye contact Skin absorption Inhalation

### SECTION 12: Ecological Information

**Ecotoxicity** Do not release into the environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** Do not discharge into drains or watercourses or onto the ground.

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** Not available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class** 08 04 99

### SECTION 14: Transport information

**General** No other information known.

#### 14.1. UN number

**UN No. (ADR/RID)** 2922

**UN No. (IMDG)** 2922

**UN No. (ICAO)** 2922

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, TOXIC, N.O.S. (TRIMETHYLHEXAMETHYLENEDIAMINE, PHENOL)

**Proper shipping name (IMDG)** CORROSIVE LIQUID, TOXIC, N.O.S. (TRIMETHYLHEXAMETHYLENEDIAMINE, PHENOL)

**Proper shipping name (ICAO)** CORROSIVE LIQUID, TOXIC, N.O.S. (TRIMETHYLHEXAMETHYLENEDIAMINE, PHENOL)

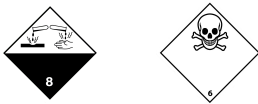
## ULTRA QUARTZ SURFACE PRIMER HARDENER

**Proper shipping name (ADN)** CORROSIVE LIQUID, TOXIC, N.O.S. (TRIMETHYLHEXAMETHYLENEDIAMINE, PHENOL)

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	8
<b>ADR/RID subsidiary risk</b>	6.1
<b>ADR/RID label</b>	8 & 6.1
<b>IMDG class</b>	8
<b>IMDG subsidiary risk</b>	6.1
<b>ICAO class/division</b>	8
<b>ICAO subsidiary risk</b>	6.1

### Transport labels



### 14.4. Packing group

<b>ADR/RID packing group</b>	III
<b>ICAO packing group</b>	III

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

<b>EmS</b>	F-A, S-B
<b>Emergency Action Code</b>	2X
<b>Hazard Identification Number (ADR/RID)</b>	86

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information required.

## SECTION 15: Regulatory information

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

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Revision date</b>	04/04/2018
<b>Revision</b>	5



## ULTRA QUARTZ SURFACE PRIMER HARDENER

**Supersedes date** 13/01/2017

**Hazard statements in full**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H341 Suspected of causing genetic defects.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

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.