



## SAFETY DATA SHEET LIQUID RELEASE AGENT

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

#### 1.1. Product identifier

**Product name** LIQUID RELEASE AGENT

**Product number** 19600

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

**Identified uses** Releasing agent.

#### 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** Flam. Liq. 2 - H225

**Health hazards** Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304

**Environmental hazards** Not Classified

**Human health** Possible risk of impaired fertility.

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H336 May cause drowsiness or dizziness.

## LIQUID RELEASE AGENT

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>
<b>Contains</b>	NAPHTHA (PETROLEUM), LIGHT ALKYLATE; LOW BOILING POINT MODIFIED NAP
<b>Supplementary precautionary statements</b>	<p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</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>NAPHTHA (PETROLEUM), LIGHT ALKYLATE; LOW BOILING POINT MODIFIED NAP</b>		<b>60-100%</b>
CAS number: 64741-66-8		EC number: 265-068-8
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Muta. 1B - H340 Carc. 1B - H350 STOT SE 3 - H336 Asp. Tox. 1 - H304		

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>	Avoid contact with skin and eyes. Do not breathe vapour. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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## LIQUID RELEASE AGENT

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
<b>Skin contact</b>	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.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if irritation persists after washing.

### **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.
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### **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 the following media: Foam. Dry chemicals. Carbon dioxide (CO <sub>2</sub> ).
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Highly flammable Avoid breathing fire gases or vapours. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Closed containers can burst violently when heated, due to excess pressure build-up. Toxic gases or vapours.
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### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Keep up-wind to avoid fumes. Cool containers exposed to flames with water until well after the fire is out. 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.

## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Warn everybody of potential hazards and evacuate if necessary. Avoid contact with skin and eyes. Eliminate all sources of ignition. Do not breathe vapour/spray. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Avoid or minimise the creation of any environmental contamination. 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>	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**

## LIQUID RELEASE AGENT

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid contact with skin and eyes. Keep container tightly closed. Earth container and transfer equipment to eliminate sparks from static electricity. Keep away from heat, sparks and open flame. Use non sparking handtools and explosion-proof electric equipment. 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. Contaminated clothing and shoes must be discarded. Use suitable respiratory protection if ventilation is inadequate.

#### 7.2. 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).

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

#### 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. Keep container tightly closed.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

##### Hand protection

To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Rubber or plastic. 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.

##### Other skin and body protection

Wear chemical protective suit.

##### Hygiene measures

Provide eyewash station and safety shower. Keep away from food, drink and animal feeding stuffs. 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. Do not eat, drink or smoke when using the product. Change work clothing daily before leaving workplace.

## LIQUID RELEASE AGENT

### 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: Gas filter, type A2. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Clear liquid.
Odour	Oily liquid.
pH	pH (concentrated solution): 7 @ 25 °C
Melting point	n/d°C
Initial boiling point and range	101°C @
Flash point	<7°C
Evaporation rate	5.6
Vapour pressure	63 mm Hg @ °C
Vapour density	4
Relative density	0.72 @ 20 °C°C
Solubility(ies)	Insoluble in water.

#### 9.2. Other information

Other information	Not available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	Strong oxidising agents.
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#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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#### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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#### 10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of the following substances: Carbon. Silicone Formaldehyde.
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### SECTION 11: Toxicological information

## LIQUID RELEASE AGENT

### 11.1. Information on toxicological effects

<b>Inhalation</b>	Vapour may affect central nervous system. Symptoms following overexposure may include the following: Headache. Nausea, vomiting. Intoxication. May cause discomfort. Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression. Arrhythmia (deviation from normal heart beat). In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.
<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Central nervous system depression.
<b>Skin contact</b>	Irritating to skin. Prolonged or repeated exposure may cause severe irritation. Wear appropriate clothing to prevent skin contamination.
<b>Eye contact</b>	Irritating to eyes.
<b>Acute and chronic health hazards</b>	Possible risk of impaired fertility. May cause cancer.
<b>Route of entry</b>	Inhalation Skin and/or eye contact

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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#### 12.1. Toxicity

<b>Toxicity</b>	Not considered toxic to fish.
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#### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	There are no data on the degradability of this product.
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#### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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#### 12.4. Mobility in soil

<b>Mobility</b>	Do not discharge into drains or watercourses or onto the ground.
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#### 12.5. Results of PBT and vPvB assessment

<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
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#### 12.6. Other adverse effects

<b>Other adverse effects</b>	Not available.
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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	When handling waste, the safety precautions applying to handling of the product should be considered.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

## LIQUID RELEASE AGENT

Waste class 08 04 99

### SECTION 14: Transport information

**General** No other information known.

#### 14.1. UN number

UN No. (ADR/RID) 1208

UN No. (IMDG) 1208

UN No. (ICAO) 1208

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) HEXANES

Proper shipping name (IMDG) HEXANES

Proper shipping name (ICAO) HEXANES

Proper shipping name (ADN) HEXANES

#### 14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID label 3

IMDG class 3

ICAO class/division 3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code 3YE

Hazard Identification Number (ADR/RID) 33

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

Transport in bulk according to No information required.

Annex II of MARPOL 73/78  
and the IBC Code

## LIQUID RELEASE AGENT

### 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>	03/04/2018
<b>Revision</b>	15
<b>Supersedes date</b>	26/04/2017
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H340 May cause genetic defects. H350 May cause cancer.

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.