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

1.1. Product identifier

Product name: GFR Fluid Rubber Cleaner.
Product number: X0148

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

Identified uses: Etchant/cleaner.

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. 3 - H226
Health hazards: Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315
Environmental hazards: Not Classified

2.2. Label elements

Pictogram

Signal word: Warning

Hazard statements:
- H226 Flammable liquid and vapour.
- H312 Causes skin irritation.
- H315 Causes skin irritation.
- H312+H332 Harmful in contact with skin or if inhaled.
GFR Fluid Rubber Cleaner.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P312 Call a POISON CENTER/ doctor if you feel unwell.

Contains

XYLENE

Supplementary precautionary statements

P233 Keep container tightly closed.
P240 Ground/ bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P271 Use only outdoors or in a well-ventilated area.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a Poison Center/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container in accordance with national regulations.

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

<table>
<thead>
<tr>
<th>XYLENE</th>
<th>60-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1330-20-7</td>
<td>EC number: 215-535-7</td>
</tr>
</tbody>
</table>

Classification

Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Avoid contact with eyes. Show this safety data sheet to the doctor in attendance.

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

Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
GFR Fluid Rubber Cleaner.

**Eye contact**
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**

**General information**
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

**Notes for the doctor**
No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

**5.1. Extinguishing media**

**Suitable extinguishing media**
Extinguish with foam, carbon dioxide or dry powder.

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

**Hazardous combustion products**
Does not decompose when used and stored as recommended.

**5.3. Advice for firefighters**

**Special protective equipment for firefighters**
Cool containers exposed to flames with water until well after the fire is out. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Control run-off water by containing and keeping it out of sewers and watercourses.

### SECTION 6: Accidental release measures

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

**Personal precautions**
No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

**6.2. Environmental precautions**

**Environmental precautions**
Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up**
Contain and absorb spillage with sand, earth or other non-combustible 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.

**6.4. Reference to other sections**

**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 general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Take precautionary measures against static discharges. Storage tanks and other containers must be earthed. No smoking, sparks, flames or other sources of ignition near spillage.

**7.2. Conditions for safe storage, including any incompatibilities**
GFR Fluid Rubber Cleaner.

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. 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

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m3(Sk)
Short-term exposure limit (15-minute):  WEL 100 ppm(Sk) 441 mg/m3(Sk)
WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Wear protective gloves made of the following material: Rubber or plastic. 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.

Other skin and body protection
No specific recommendations.

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.

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. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. 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
Light (or pale). Brown.

pH
pH (concentrated solution): 7 @ 20 ºC

Melting point
n/d°C
GFR Fluid Rubber Cleaner.

**Initial boiling point and range**
n/d°C @

**Flash point**
25°C

**Upper/lower flammability or explosive limits**
Lower flammable/explosive limit: 1.1 Upper flammable/explosive limit: 7

**Relative density**
0.8 - 1.22 @ @ 20 ºC

**Auto-ignition temperature**
>450°C

**Other information**
Not available.

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**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**
Direct heating, dirt, chemical contamination, sunlight, UV or ionizing radiation, Heating can release vapours which can be ignited.

10.5. Incompatible materials

**Materials to avoid**
Avoid contact with oxidising agents.

10.6. Hazardous decomposition products

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

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**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

**Toxicological effects**
Irritating to eyes, respiratory system and skin.

**Acute toxicity - dermal**

**ATE dermal (mg/kg)**
11,000.0

**Acute toxicity - inhalation**

**ATE Inhalation (gases ppm)**
45,000.0

**ATE Inhalation (vapours mg/l)**
110.0

**ATE Inhalation (dusts/mists mg/l)**
15.0

**Inhalation**
Vapour from this product may be hazardous by inhalation. Irritating to respiratory system.

**Skin contact**
Liquid may irritate skin.
GFR Fluid Rubber Cleaner.

Eye contact
Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes.

Route of entry
Skin and/or eye contact Inhalation

SECTION 12: Ecological Information

Ecotoxicity
Avoid release to the environment.

12.1. Toxicity
Toxicity
Not considered toxic to fish.

12.2. Persistence and degradability
Persistence and degradability
Avoid the spillage or runoff entering drains, sewers or watercourses.

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

12.4. Mobility in soil
Mobility
Avoid subsoil penetration.

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
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. 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) 1307
UN No. (IMDG) 1307
UN No. (ICAO) 1307

14.2. UN proper shipping name
Proper shipping name (ADR/RID) XYLENES
Proper shipping name (IMDG) XYLENES
Proper shipping name (ICAO) XYLENES
GFR Fluid Rubber Cleaner.

Proper shipping name (ADN)  XYLENES

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  III
IMDG packing group  III
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

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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date  26/04/2018
Revision 10
Supersedes date  21/07/2015
**Hazard statements in full**

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.