## SAFETY DATA SHEET

C-AQUALINE 300 BLACK & GREY

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

#### 1.1. Product identifier

**Product name**

C-AQUALINE 300 BLACK & GREY

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

**Identified uses**

coating

#### 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

**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 Carc. 2 - H351

**Environmental hazards**

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### 2.2. Label elements

**Pictogram**

[Images of pictograms]

**Signal word**

Warning

**Hazard statements**

H302 Harmful if swallowed.

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects.
### C-AQUALINE 300 BLACK & GREY

**Precautionary statements**
- P264 Wash contaminated skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- 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.
- P308+P313 IF exposed or concerned: Get medical advice/ attention.

**Contains**
- 4,4'-METHYLENEbis(2-ETHYLANILINE)

**Supplementary precautionary statements**
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P330 Rinse mouth.
- P391 Collect spillage.
- P405 Store locked up.
- P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
<th>CAS number</th>
<th>EC number</th>
<th>M factor (Acute)</th>
<th>M factor (Chronic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4,4'-METHYLENEbis(2-ETHYLANILINE)</td>
<td>30-60%</td>
<td>19900-65-3</td>
<td>243-420-1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>1-5%</td>
<td>1333-86-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLENE</td>
<td>&lt;1%</td>
<td>1330-20-7</td>
<td>215-535-7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Classification**
- Acute Tox. 4 - H302
- Carc. 2 - H351
- Aquatic Acute 1 - H400
- Aquatic Chronic 1 - H410
- Not Classified
- Flam. Liq. 3 - H226
- Acute Tox. 4 - H312
- Acute Tox. 4 - H332
- Skin Irrit. 2 - H315
C-AQUALINE 300 BLACK & GREY

2-BUTOXYETHANOL
CAS number: 111-76-2 EC number: 203-905-0

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

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 skin and eyes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation
Move affected person to fresh air at once. 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. Get medical attention immediately.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water.

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
Specific hazards
Irritating gases or vapours.

5.3. Advice for firefighters
Protective actions during firefighting
Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes. Do not use water jet as an extinguisher, as this will spread the fire. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters
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
Personal precautions
Warn everybody of potential hazards and evacuate if necessary. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Do not breathe vapour.
C-AQUALINE 300 BLACK & GREY

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
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.

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
Use only in well-ventilated areas. Provide adequate ventilation. Handle and open container with care. Avoid inhalation of vapours/spray and contact with skin and eyes. Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.

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. 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

CARBON BLACK
Long-term exposure limit (8-hour TWA): 3.5 mg/m³

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)

2-BUTOXYETHANOL
Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk)
Short-term exposure limit (15-minute): WEL 50 ppm(Sk)
WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation.
**C-AQUALINE 300 BLACK & GREY**

**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**
It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). 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**
Plastic or rubber gloves, boots and 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.

**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. When spraying, wear a suitable supplied-air respirator. Check that the respirator fits tightly and the filter is changed regularly. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136.

### SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>&gt; 150°C @</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200°C</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.41 - 1.5 @ 20 ºC</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Slightly soluble in water.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3000-8000 Pa s @ 20°C</td>
</tr>
</tbody>
</table>

9.2. Other information
Not available.

### SECTION 10: Stability and reactivity

10.1. Reactivity

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
C-AQUALINE 300 BLACK & GREY

Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid

Avoid contact with the following materials: Acids. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 1,593.37

General information

According to experience no harmful effects are to be expected under proper handling conditions according to Section 8. The product has not been tested. The information is derived from the properties of the individual components.

Inhalation

No specific health hazards known.

Ingestion

Harmful: possible risk of irreversible effects if swallowed.

Skin contact

Harmful: possible risk of irreversible effects in contact with skin. May cause sensitisation by skin contact. May cause sensitisation or allergic reactions in sensitive individuals.

SECTION 12: Ecological Information

Ecotoxicity

Avoid release to the environment. The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity

Very toxic to aquatic organisms.

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 contains a substance classified as PBT.

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.
C-AQUALINE 300 BLACK & GREY

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

14.1. UN number
UN No. (ADR/RID) 3082
UN No. (IMDG) 3082
UN No. (ICAO) 3082

14.2. UN proper shipping name
Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)
Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)

14.3. Transport hazard class(es)
ADR/RID class 9
ADR/RID label 9
IMDG class 9
ICAO class/division 9

Transport labels

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ICAO packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS F-A, S-F
Emergency Action Code •3Z
C-AQUALINE 300 BLACK & GREY

Hazard Identification Number  90
(ADR/RID)

Tunnel restriction code  (E)

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

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  04/04/2018
Revision  4
Supersedes date  29/04/2016

Hazard statements in full  H226 Flammable liquid and vapour.
                        H302 Harmful if swallowed.
                        H312 Harmful in contact with skin.
                        H315 Causes skin irritation.
                        H319 Causes serious eye irritation.
                        H332 Harmful if inhaled.
                        H351 Suspected of causing cancer.
                        H400 Very toxic to aquatic life.
                        H410 Very toxic 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.