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

1.1. Product identifier
Product name: C-AQUALINE 400 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

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 Eye Irrit. 2 - H319 Carc. 2 - H351
Environmental hazards: Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

2.2. Label elements
Pictogram:

Signal word: Warning

Hazard statements:
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.
### 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.
- **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.

**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.
- **P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- **P330** Rinse mouth.
- **P337+P313** If eye irritation persists: Get medical advice/ attention.
- **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

<table>
<thead>
<tr>
<th>3.2. Mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROPYLENE CARBONATE</strong></td>
</tr>
<tr>
<td>CAS number: 108-32-7</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
</tr>
<tr>
<td>Eye Irrit. 2 - H319</td>
</tr>
</tbody>
</table>

| **4,4’-METHYLENEbis(2-ETHYLANILINE)** | 30-60% |
| CAS number: 19900-65-3 | EC number: 243-420-1 |
| M factor (Acute) = 1 | M factor (Chronic) = 1 |
| **Classification** |
| Acute Tox. 4 - H302 |
| Carc. 2 - H351 |
| Aquatic Acute 1 - H400 |
| Aquatic Chronic 1 - H410 |

| **CARBON BLACK** | 5-10% |
| CAS number: 1333-86-4 |
| **Classification** |
| Not Classified |
C-AQUALINE 400 BLACK & GREY

### XYLENE
- CAS number: 1330-20-7
- EC number: 215-535-7
- Classification:
  - Flam. Liq. 3 - H226
  - Acute Tox. 4 - H312
  - Acute Tox. 4 - H332
  - Skin Irrit. 2 - H315

### 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
C-AQUALINE 400 BLACK & GREY

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.

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
C-AQUALINE 400 BLACK & GREY

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.

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. 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

Appearance
Viscous liquid.

Colour
Black.

Odour
Slight.

Initial boiling point and range
> 150°C @

Flash point
> 200°C

Relative density
1.41 - 1.5 @ 20 °C°C

Solubility(ies)
Slightly soluble in water.

Viscosity
3000-8000 Pa s @ 20°C

9.2. Other information

Other information
Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity
C-AQUALINE 400 BLACK & GREY

Reactivity
Acids. 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
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) 1,648.53

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.
C-AQUALINE 400 BLACK & GREY

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

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
C-AQUALINE 400 BLACK & GREY

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-A, S-F
Emergency Action Code •3Z
Hazard Identification Number (ADR/RID) 90
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