



**SAFETY DATA SHEET  
C-AQUALINE 400 BLACK & GREY**

## 1. Identification

### Product identifier

**Product name** C-AQUALINE 400 BLACK & GREY

### Recommended use of the chemical and restrictions on use

**Application** coating

### 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)

## 2. Hazard(s) identification

### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Carc. 2 - H351 Repr. 2 - H361fd

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

### Label elements

#### Pictogram



**Signal word**

Warning

#### Hazard statements

H302 Harmful if swallowed.  
H351 Suspected of causing cancer.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H410 Very toxic to aquatic life with long lasting effects.

## C-AQUALINE 400 BLACK & GREY

<b>Precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P273 Avoid release to the environment.</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>P308+P313 If exposed or concerned: Get medical advice/ attention.</p> <p>P330 Rinse mouth.</p> <p>P391 Collect spillage.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** 4,4'-METHYLENEbis(2-ETHYLANILINE)

### 3. Composition/information on ingredients

#### Mixtures

<b>PROPYLENE CARBONATE</b>	<b>30-60%</b>
CAS number: 108-32-7	

**Classification**  
Eye Irrit. 2 - H319

<b>4,4'-METHYLENEbis(2-ETHYLANILINE)</b>	<b>30-60%</b>
CAS number: 19900-65-3	
M factor (Acute) = 1	M factor (Chronic) = 1

**Classification**  
Acute Tox. 4 - H302  
Carc. 2 - H351  
Aquatic Acute 1 - H400  
Aquatic Chronic 1 - H410

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

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Avoid contact with skin and eyes. 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. Get medical attention if any discomfort continues.
<b>Ingestion</b>	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.
<b>Skin Contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<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.

#### 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.

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### Indication of immediate medical attention and special treatment needed

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

### 5. Fire-fighting measures

#### Extinguishing media

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

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

**Specific hazards** Irritating gases or vapors.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors. 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.

### 6. Accidental release measures

#### 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.

#### 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.

#### 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 labeled with correct contents and hazard symbol.

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

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Use only in well-ventilated areas. Provide adequate ventilation. Handle and open container with care. Avoid inhalation of vapors/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.

#### 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).

#### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure Controls/personal protection

## C-AQUALINE 400 BLACK & GREY

### 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 OSHA 1910.133.

#### 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 OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. 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 OSHA 1910.134.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

Appearance	Viscous liquid.
Color	Black.
Odor	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
Other information	Not available.

### 10. Stability and reactivity

Reactivity	Acids. Strong oxidizing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Not available.

## C-AQUALINE 400 BLACK & GREY

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
<b>Materials to avoid</b>	Avoid contact with the following materials: Acids. Oxidizing agents.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended.

### 11. Toxicological information

#### 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 sensitization or allergic reactions in sensitive individuals.

### 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.

**Toxicity** Very toxic to aquatic organisms.

#### Persistence and degradability

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

#### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

#### Mobility in soil

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

#### Other adverse effects

**Other adverse effects** Not available.

### 13. Disposal considerations

#### 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

### 14. Transport information

#### UN Number

**C-AQUALINE 400 BLACK & GREY**

UN No. (TDG)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (DOT)	3082

**UN proper shipping name**

<b>Proper shipping name (TDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)
<b>Proper shipping name (IMDG)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)
<b>Proper shipping name (ICAO)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)
<b>Proper shipping name (DOT)</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-METHYLENEbis(2-ETHYLANILINE), 2-OCTYL-2H-ISOTHIAZOL-3-ONE)

**Transport hazard class(es)**

TDG class	9
TDG label(s)	9
IMDG Class	9
ICAO class/division	9

**Transport labels****Packing group**

TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
DOT packing group	III

**Environmental hazards****Environmentally Hazardous Substance****Special precautions for user**

EmS	F-A, S-F
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**15. Regulatory information****16. Other information**

Revision date	4/4/2018
Revision	4

## C-AQUALINE 400 BLACK & GREY

**Supersedes date** 4/29/2016

**Hazard statements in full**  
H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H351 Suspected of causing cancer.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.