



## SAFETY DATA SHEET DC2 GLADIATOR

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

#### 1.1. Product identifier

**Product name** DC2 GLADIATOR  
**Internal identification** C218

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

**Identified uses** Cleaning agent.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** ARROW SOLUTIONS  
 RAWDON ROAD  
 MOIRA  
 SWADLINCOTE  
 DERBYSHIRE  
 DE12 6DA  
 TEL: +44 (0)1283 221044  
 FAX: +44 (0)1283 225731  
 sales@arrowchem.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 777 8505 330 (24 hrs).

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Eye Dam. 1 - H318 Asp. Tox. 1 - H304  
**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. Xi;R36. R52/53,R66.

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H304 May be fatal if swallowed and enters airways.  
 H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.

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**Precautionary statements**

P273 Avoid release to the environment.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P501 Dispose of contents/ container in accordance with national regulations.  
 P280 Wear protective gloves, eye and face protection.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P310 Immediately call a POISON CENTER/ doctor.

**Supplemental label information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**

HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS, Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

**Detergent labelling**

≥ 30% aliphatic hydrocarbons, 5 - < 15% non-ionic surfactants, < 5% perfumes, Contains LINALOOL, BENZYL SALICYLATE

### 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>HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS &lt;2% AROMATICS</b>	<b>30-60%</b>
CAS number: —	EC number: 926-141-6
	REACH registration number: 01-2119456620-43-xxxx
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)</b>	<b>5-10%</b>
CAS number: 68155-07-7	EC number: 931-329-6
	REACH registration number: 01-2119490100-53-xxxx
<b>Classification</b>	
Acute Tox. 4 - H312	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R38,R41.
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	
<b>METHYL UNDECYLENATE</b>	<b>1-5%</b>
CAS number: 111-81-09	EC number: 203-910-8
	REACH registration number: 01-2119516445-42-XXXX
M factor (Acute) = 1	
<b>Classification</b>	
Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H332	Xn;R20/22. N;R50/53.
Aquatic Acute 1 - H400	
Aquatic Chronic 3 - H412	

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<b>2,2'-IMINODIETHANOL</b>		<b>&lt;1%</b>
CAS number: 111-42-2	EC number: 203-868-0	REACH registration number: 01-2119488930-28-xxxx
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22,R48/22 Xi;R38,R41	
<b>GLYCERINE</b>		<b>&lt;1%</b>
CAS number: 56-81-5	EC number: 200-289-5	REACH registration number: 01-2119471987-18-XXXX
<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> -	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam, carbon dioxide or dry powder.

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

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

#### 5.3. Advice for firefighters

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**Protective actions during firefighting** No specific firefighting precautions known.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not touch or walk into spilled material. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Wash thoroughly after dealing with a spillage.

#### 6.2. Environmental precautions

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

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

#### 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** Wear protective clothing, gloves, eye and face protection. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapour/spray. Wash hands thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store at temperatures between 4°C and 40°C.

**Storage class** Chemical storage.

#### 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

##### HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m<sup>3</sup>

##### 2,2'-IMINODIETHANOL

Long-term exposure limit (8-hour TWA): WEL 3 ppm 13 mg/m<sup>3</sup>

##### GLYCERINE

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Fatty acids, C16-C18 and C18-unsatd., Me esters (CAS: 67762-38-3)**

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<b>DNEL</b>	Professional - Inhalation; Long term systemic effects: 6.93 mg/m <sup>3</sup> Professional - Dermal; Long term systemic effects: 10 mg/kg/day Consumer - Inhalation; Long term systemic effects: 23 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 5 mg/kg/day Consumer - Dermal; Long term systemic effects: 5 mg/kg/day
<b>PNEC</b>	- Fresh water; 2.504 mg/l - water; Intermittent release 25.04 mg/l - Marine water; 0.2504 mg/l - STP; 520 mg/l

### Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl) (CAS: 68155-07-7)

<b>DNEL</b>	Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day Industry - Inhalation; Long term systemic effects: 73.4 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day Consumer - Inhalation; Long term systemic effects: 21.73 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.007 mg/l - Marine water; 0.0007 mg/l - Intermittent release; 0.0024 mg/l - STP; 830 mg/l - Soil; 0.0348 mg/l - Sediment (Freshwater); 0.195 mg/kg - Sediment (Marinewater); 0.0195 mg/kg

### METHYL UNDECYLENATE (CAS: 111-81-09)

<b>DNEL</b>	Workers - Inhalation; Short term local effects: 179.4 mg/m <sup>3</sup> Workers - Inhalation; Long term systemic effects: 4.23 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 0.6 mg/kg Consumer - Inhalation; Long term systemic effects: 1.04 mg/m <sup>3</sup> Consumer - Inhalation; Short term local effects: 89.7 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: mg/kg Consumer - Dermal; Long term systemic effects: mg/kg/day
<b>PNEC</b>	- Intermittent release; mg/l

### 2,2-IMINODIETHANOL (CAS: 111-42-2)

<b>DNEL</b>	Workers - Inhalation; Long term local effects: 1.0 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 0.13 mg/kg/day General population - Inhalation; Long term local effects: 0.25 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 0.07 mg/kg/day General population - Oral; Long term systemic effects: 0.06 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.0022 mg/l - Marine water; 0.00022 mg/l - Intermittent release; 0.022 mg/l - STP; 100 mg/l - Sediment (Freshwater); 0.012 mg/kg - Sediment (Marinewater); 0.0012 mg/kg - Soil; 0.0011 mg/kg

### GLYCERINE (CAS: 56-81-5)

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<b>DNEL</b>	Workers - Inhalation; Long term local effects: 56 mg/m <sup>3</sup> General population - Inhalation; Long term local effects: 33 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 229 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.885 mg/l - Marine water; 0.0885 mg/l - Intermittent release; 8.85 mg/l - STP; 1000 mg/l - Sediment (Freshwater); 3.3 mg/kg - Sediment (Marinewater); 0.33 mg/kg - Soil; 0.141 mg/kg

### 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. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Protective gloves should have a minimum thickness of 0.12 mm. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Nitrile rubber. Neoprene. Rubber (natural, latex). Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use.

#### Hygiene measures

Wash hands after handling.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Amber.
<b>Odour</b>	Characteristic.
<b>pH</b>	Not applicable.
<b>Flash point</b>	65°C Closed cup.
<b>Relative density</b>	0.85 @ 20°C
<b>Solubility(ies)</b>	Forms an emulsion with water.

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**Viscosity** Kinematic viscosity  $\leq 20.5 \text{ mm}^2/\text{s}$ .

### 9.2. Other information

**Other information** Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 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 determined.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Ammonia or amines. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 27,777.78

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 27,434.84

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 611.11

#### Aspiration hazard

**Aspiration hazard** May be fatal if swallowed and enters airways. Kinematic viscosity  $\leq 20.5 \text{ mm}^2/\text{s}$ . Aspiration hazard if swallowed.

#### Inhalation

Coughing, chest tightness, feeling of chest pressure.

#### Ingestion

Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.

#### Skin contact

Repeated exposure may cause skin dryness or cracking.

#### Eye contact

Causes serious eye damage.

### Toxicological information on ingredients.

**HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS**

#### Acute toxicity - oral

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**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 5,000.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 5,001.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 5,001.0

**Fatty acids, C16-C18 and C18-unsatd., Me esters****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE oral (mg/kg)** 2,001.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,001.0

**Species** Rat

**ATE dermal (mg/kg)** 2,001.0

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility: - NOAEL 1000 mg/kg, Oral, Rat

**Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

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<b>Species</b>	Rat
<b>ATE dermal (mg/kg)</b>	2,000.0

**METHYL UNDECYLENATE****Acute toxicity - oral**

<b>ATE oral (mg/kg)</b>	500.0
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**Acute toxicity - inhalation**

<b>ATE inhalation (vapours mg/l)</b>	11.0
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**2,2'-IMINODIETHANOL****Acute toxicity - oral**

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	1,600.0
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<b>Species</b>	Rat
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<b>ATE oral (mg/kg)</b>	500.0
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**Carcinogenicity**

<b>IARC carcinogenicity</b>	IARC Group 2B Possibly carcinogenic to humans.
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**GLYCERINE****Acute toxicity - oral**

<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	2,001.0
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<b>Species</b>	Rat
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**Acute toxicity - dermal**

<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	1,000.0
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<b>Species</b>	Rabbit
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**SECTION 12: Ecological Information**

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

**12.1. Toxicity****Acute aquatic toxicity**

**Acute toxicity - fish** Not determined.

**Ecological information on ingredients.****HYDROCARBONS, C11-14, n-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS****Acute aquatic toxicity**

**Acute toxicity - fish** LC50, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 1000 mg/l, Daphnia magna  
EC<sub>50</sub>, 48 hours: >250ppm mg/l, Daphnia magna

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**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 20ppm mg/l, Algae

### Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)

#### Acute aquatic toxicity

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, : 3.2 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, : 3.9 mg/l,

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 0.07 mg/l, Daphnia magna

### METHYL UNDECYLENATE

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

### 2,2'-IMINODIETHANOL

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: > 100 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 10 - 100 mg/l, Daphnia magna

#### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 21 days: 0.78 mg/l, Daphnia magna

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#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 54000 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, >: > 10000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 2900 mg/l, Freshwater algae

**Acute toxicity - microorganisms** EC<sub>50</sub>, >: > 1000 mg/l, Activated sludge

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

#### 12.4. Mobility in soil

**Mobility** The product is partly miscible with water and may spread in the aquatic environment.

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### 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 determined.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **Special Provisions note**

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

#### **Transport labels**

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

#### **EU legislation**

Commission Regulation (EU) No 453/2010 of 20 May 2010.  
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).

#### **Guidance**

Workplace Exposure Limits EH40.

## DC2 GLADIATOR

### 15.2. Chemical safety assessment

#### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	15/11/2017
<b>Revision</b>	3.0
<b>Supersedes date</b>	11/06/2015
<b>Risk phrases in full</b>	<p>Not classified.</p> <p>R20/22 Harmful by inhalation and if swallowed.</p> <p>R36 Irritating to eyes.</p> <p>R38 Irritating to skin.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R66 Repeated exposure may cause skin dryness or cracking.</p>
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H332 Harmful if inhaled.</p> <p>H373 May cause damage to organs (Blood, Kidneys, Liver) through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>

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.