

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 3/6/2019 Version: 1.0

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

#### 1.1. Product identifier

|                |                    |
|----------------|--------------------|
| Product form   | : Substance        |
| Substance name | : 4-n-Propylphenol |
| IUPAC name     | : 4-PROPYLPHENOL   |
| EC-No.         | : 211-446-2        |
| CAS-No.        | : 645-56-7         |
| Product code   | : 70094582         |
| Formula        | : C9H12O           |
| Product group  | : Raw material     |

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

##### 1.2.1. Relevant identified uses

|                                  |  |
|----------------------------------|--|
| Main use category                | : Laboratory use, Industrial use, Professional use |
| Industrial/Professional use spec | : For professional use only                        |

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Scaffell Organics  
Molekula Ltd  
Lingfield Way  
Darlington - England  
T +44 (0) 1949 823777 / +44 (0) 7590 545705  
[info@molekula.com](mailto:info@molekula.com) / [kbowen@molekula.com](mailto:kbowen@molekula.com) - [www.molekula.com](http://www.molekula.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 7590 545705

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|   |      |
|---|------|
| Acute toxicity (oral), Category 4                                 | H302 |
| Acute toxicity (dermal), Category 4                               | H312 |
| Acute toxicity (inhal.), Category 4                               | H332 |
| Skin corrosion/irritation, Category 1                             | H314 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 |
| Full text of H statements : see section 16                        |      |

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H314 - Causes severe skin burns and eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P260 - Do not breathe dusts or mists.  
P273 - Avoid release to the environment.  
P280 - Wear protective clothing, eye protection, face protection, protective gloves.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Substance type : Mono-constituent

| Name             | Product identifier                       | %   |
|------------------|--|-----|
| 4-n-Propylphenol | (CAS-No.) 645-56-7<br>(EC-No.) 211-446-2 | 100 |

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If possible show this sheet, if not available show packaging or label. Do not leave affected person unattended. Get medical attention immediately if symptoms occur.           |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.                        |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| First-aid measures after ingestion    | : Rinse mouth out with water. Do NOT induce vomiting. Get immediate medical advice/attention.   |

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

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : Possible irritation of mucous membranes and digestive tract, nausea, vomiting. Corrosive to the respiratory tract. Headache.  |
| Symptoms/effects after skin contact | : Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes severe burns. Blisters. Itching. Redness, pain.            |
| Symptoms/effects after eye contact  | : Causes serious eye burns. Blurred vision. stinging. Redness, pain. Tears.   |
| Symptoms/effects after ingestion    | : Swallowing a small quantity of this material will result in serious health hazard. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

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

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Precautionary measures fire    | : Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.   |
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |
| Other information              | : Warn all persons of toxic hazard.   |

### SECTION 6: Accidental release measures

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

General measures : Isolate from fire, if possible, without unnecessary risk. Avoid dust formation. No flames, no sparks. Eliminate all sources of ignition.

##### 6.1.1. For non-emergency personnel

|                                  |   |
|----------------------------------|---|
| Protective equipment             | : Wear recommended personal protective equipment.   |
| Emergency procedures             | : Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Do not breathe dust. Avoid contact with skin, eyes and clothing. |
| Measures in case of dust release | : Keep upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).   |

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide local exhaust or general room ventilation. Avoid creating or spreading dust.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

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

Technical measures : Ensure adequate ventilation, especially in confined areas.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.

Incompatible products : Acid chlorides. Acid anhydrides. Oxidising agents.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage area : Store at ambient temperature. Store in a dry place. Store in a closed container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures.

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

| Type              | Material     | Permeation        | Thickness (mm) | Penetration | Standard |
|-------------------|--------------|-------------------|----------------|-------------|----------|
| Disposable gloves | Butyl rubber | 6 (> 480 minutes) | 0.3            |             | EN 374   |

#### Eye protection:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

| Type                        | Use  | Characteristics                                   | Standard |
|-----------------------------|------|---|----------|
| Face shield, Safety goggles | Dust | tightly fitting safety goggles, With side shields | EN 166   |

#### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

| Type  | Standard     |
|---|--------------|
| Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product | EN ISO 13982 |

#### Respiratory protection:

Keep self contained breathing apparatus readily available for emergency use. Wear respiratory protection.

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Device   | Filter type | Condition       | Standard |
|--|-------------|-----------------|----------|
| Respiratory protective device with a particle filter | Type P3     | Dust protection | EN 14387 |

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|  |                                |
|--|--------------------------------|
| Physical state                             | : Solid                        |
| Appearance                                 | : Crystals. Low melting solid. |
| Molecular mass                             | : 136.19 g/mol                 |
| Colour                                     | : White to pale Yellow.        |
| Odour                                      | : No data available.           |
| Odour threshold                            | : No data available            |
| pH   | : No data available            |
| Relative evaporation rate (butylacetate=1) | : No data available            |
| Melting point                              | : 22 °C                        |
| Freezing point                             | : No data available            |
| Boiling point                              | : 232 °C lit.                  |
| Flash point                                | : 106 °C closed cup            |
| Auto-ignition temperature                  | : No data available            |
| Decomposition temperature                  | : No data available            |
| Flammability (solid, gas)                  | : Non flammable.               |
| Vapour pressure                            | : No data available            |
| Relative vapour density at 20 °C           | : No data available            |
| Relative density                           | : No data available            |
| Solubility                                 | : No data available            |
| Log Pow                                    | : 3.2                          |
| Viscosity, kinematic                       | : No data available            |
| Viscosity, dynamic                         | : No data available            |
| Explosive properties                       | : No data available            |
| Oxidising properties                       | : No data available            |
| Explosive limits                           | : No data available            |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

### 10.5. Incompatible materials

Acid chlorides. Acid anhydrides. Oxidising agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Oral: Harmful if swallowed.           |
| Acute toxicity (dermal)     | : Dermal: Harmful in contact with skin. |
| Acute toxicity (inhalation) | : Inhalation: Harmful if inhaled.       |

### 4-n-Propylphenol (645-56-7)

|                           |  |
|---------------------------|--|
| LD50 oral rat             | 348 mg/kg  |
| Skin corrosion/irritation | : Causes severe skin burns and eye damage.                         |
| Additional information    | : Based on available data, the classification criteria are not met |

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|   |  |
|---|--|
| Serious eye damage/irritation                       | : Serious eye damage, category 1, implicit                         |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation                   | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity                              | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Carcinogenicity                                     | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Reproductive toxicity                               | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| STOT-single exposure                                | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure                              | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Aspiration hazard                                   | : Not classified   |
| Additional information                              | : Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Harmful if swallowed. Harmful in contact with skin.              |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |  |
|--------------------------|--|
| Ecology - water          | : Harmful to aquatic life with long lasting effects. |
| Acute aquatic toxicity   | : Not classified                                     |
| Chronic aquatic toxicity | : Harmful to aquatic life with long lasting effects. |

#### 4-n-Propylphenol (645-56-7)

|             |   |
|-------------|---|
| LC50 fish 1 | 11 mg/l Pimephales promelas (fathead minnow) 96hr |
|-------------|---|

### 12.2. Persistence and degradability

#### 4-n-Propylphenol (645-56-7)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

### 12.3. Bioaccumulative potential

#### 4-n-Propylphenol (645-56-7)

|                           |                    |
|---------------------------|--------------------|
| Log Pow                   | 3.2                |
| Bioaccumulative potential | No data available. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### 4-n-Propylphenol (645-56-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

|                        |  |
|------------------------|--|
| Other adverse effects  | : Harmful to aquatic life with long lasting effects. |
| Additional information | : Avoid release to the environment.                  |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | : Avoid release to the environment.                                       |

## SECTION 14: Transport information






In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                    | IMDG | IATA | ADN  | RID  |
|------------------------|------|------|------|------|
| <b>14.1. UN number</b> |      |      |      |      |
| 2430                   | 2430 | 2430 | 2430 | 2430 |



# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| 14.2. UN proper shipping name   |   |   |   |   |
|---|---|---|---|---|
| ALKYLPHENOLS, SOLID, N.O.S.   | ALKYLPHENOLS, SOLID, N.O.S.   | Alkylphenols, solid, n.o.s.   | ALKYLPHENOLS, SOLID, N.O.S.   | ALKYLPHENOLS, SOLID, N.O.S.   |
| Transport document description  |   |   |   |   |
| UN 2430 ALKYLPHENOLS, SOLID, N.O.S. (4-n-Propylphenol), 8, III, (E)               | UN 2430 ALKYLPHENOLS, SOLID, N.O.S. (4-n-Propylphenol), 8, III                    | UN 2430 Alkylphenols, solid, n.o.s. (4-n-Propylphenol), 8, III                    | UN 2430 ALKYLPHENOLS, SOLID, N.O.S. (4-n-Propylphenol), 8, III                      | UN 2430 ALKYLPHENOLS, SOLID, N.O.S. (4-n-Propylphenol), 8, III                      |
| 14.3. Transport hazard class(es)  |   |   |   |   |
| 8   | 8   | 8   | 8   | 8   |
|  |  |  |  |  |
| 14.4. Packing group   |   |   |   |   |
| III   | III   | III   | III   | III   |
| 14.5. Environmental hazards   |   |   |   |   |
| Dangerous for the environment : No  | Dangerous for the environment : No<br>Marine pollutant : No                       | Dangerous for the environment : No  | Dangerous for the environment : No  | Dangerous for the environment : No  |
| No supplementary information available  |   |   |   |   |
| 14.6. Special precautions for user  |   |   |   |   |

### Overland transport

|   |  |
|---|--|
| Classification code (ADR)                                 | : C4   |
| Limited quantities (ADR)                                  | : 5kg  |
| Excepted quantities (ADR)                                 | : E1   |
| Packing instructions (ADR)                                | : P002, IBC08, LP02, R001  |
| Special packing provisions (ADR)                          | : B3   |
| Mixed packing provisions (ADR)                            | : MP10   |
| Portable tank and bulk container instructions (ADR)       | : T1   |
| Portable tank and bulk container special provisions (ADR) | : TP33   |
| Tank code (ADR)   | : SGAV, L4BN   |
| Vehicle for tank carriage                                 | : AT   |
| Transport category (ADR)                                  | : 3  |
| Special provisions for carriage - Bulk (ADR)              | : VC1, VC2, AP7  |
| Hazard identification number (Kemler No.)                 | : 80   |
| Orange plates   | : <br> |

|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E  |
| EAC code                      | : 2X |

### Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provisions (IMDG)          | : 223  |
| Packing instructions (IMDG)        | : P002, LP02   |
| IBC packing instructions (IMDG)    | : IBC08  |
| IBC special provisions (IMDG)      | : B3   |
| Tank instructions (IMDG)           | : T1   |
| Tank special provisions (IMDG)     | : TP33   |
| EmS-No. (Fire)                     | : F-A  |
| EmS-No. (Spillage)                 | : S-B  |
| Stowage category (IMDG)            | : A  |
| Properties and observations (IMDG) | : A wide range of colourless to pale straw-coloured solids with penetrating odours (sometimes camphor-like). Some have low melting points. Insoluble in water. Cause burns to skin, eyes and mucous membranes. |

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### Air transport

|  |            |
|--|------------|
| PCA Excepted quantities (IATA)               | : E1       |
| PCA Limited quantities (IATA)                | : Y845     |
| PCA limited quantity max net quantity (IATA) | : 5kg      |
| PCA packing instructions (IATA)              | : 860      |
| PCA max net quantity (IATA)                  | : 25kg     |
| CAO packing instructions (IATA)              | : 864      |
| CAO max net quantity (IATA)                  | : 100kg    |
| Special provisions (IATA)                    | : A3, A803 |
| ERG code (IATA)                              | : 8L       |

### Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C4     |
| Limited quantities (ADN)          | : 5 kg   |
| Excepted quantities (ADN)         | : E1     |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

### Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)                                 | : C4                      |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P002, IBC08, LP02, R001 |
| Special packing provisions (RID)                          | : B3                      |
| Mixed packing provisions (RID)                            | : MP10                    |
| Portable tank and bulk container instructions (RID)       | : T1                      |
| Portable tank and bulk container special provisions (RID) | : TP33                    |
| Tank codes for RID tanks (RID)                            | : SGAV, L4BN              |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Bulk (RID)              | : VC1, VC2, AP7           |
| Colis express (express parcels) (RID)                     | : CE11                    |
| Hazard identification number (RID)                        | : 80                      |

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

4-n-Propylphenol is not on the REACH Candidate List

4-n-Propylphenol is not on the REACH Annex XIV List

Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

##### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

# 4-n-Propylphenol

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### SECTION 16: Other information

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

#### Full text of H- and EUH-statements:

|                           |   |
|---------------------------|---|
| Acute Tox. 4 (Dermal)     | Acute toxicity (dermal), Category 4                               |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4                               |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 3         | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Skin Corr. 1              | Skin corrosion/irritation, Category 1                             |
| H302                      | Harmful if swallowed.   |
| H312                      | Harmful in contact with skin.                                     |
| H314                      | Causes severe skin burns and eye damage.                          |
| H332                      | Harmful if inhaled.   |
| H412                      | Harmful to aquatic life with long lasting effects.                |

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*