

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### JMC Corrosion inhibitor additive 200 ml

Print date: 17.10.2017

Product code: 7140037

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

##### 1.1. Product identifier

JMC Corrosion inhibitor additive 200 ml

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

###### Use of the substance/mixture

Additive for petroleum products

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

###### Manufacturer

Company name: Johannes J. Matthies GmbH & Co KG  
Street: Hammerbrookstr. 97  
Place: D-20097 Hamburg  
Telephone: + 49 (0) 40 2 37 21-0  
e-mail: info@matthies.de  
Internet: www.matthies.de

###### Supplier

Company name: Larsson UK Ltd.  
Street: 7 Alpha Court, Phoenix Parkway  
Place: GB-NN17 5DP Corby  
Telephone: + 44 1536 265633  
e-mail: info@larsson.uk.com  
Internet: www.larsson.uk.com

##### 1.4. Emergency telephone number:

+ 44 1536 265633

#### SECTION 2: Hazards identification

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

###### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.

Kerosine (petroleum), hydrodesulfurized

Naphtha (petroleum), hydrodesulphurized heavy dicyclohexylamine

**Signal word:** Danger

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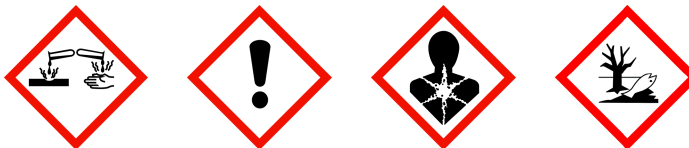
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### Pictograms:



### Hazard statements

|      |  |
|------|--|
| H315 | Causes skin irritation.  |
| H318 | Causes serious eye damage.   |
| H336 | May cause drowsiness or dizziness.                                 |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H304 | May be fatal if swallowed and enters airways.                      |
| H411 | Toxic to aquatic life with long lasting effects.                   |

### Precautionary statements

|           |  |
|-----------|--|
| P260      | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P280      | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                                     |
| P310      | Immediately call a POISON CENTER/doctor.                                   |
| P331      | Do NOT induce vomiting.  |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                   |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed.           |
| P501      | Dispose of contents/container correctly according to local regulations.    |

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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### Hazardous components

| CAS No      | Chemical name   |              |                  | Quantity |
|-------------|---|--------------|------------------|----------|
|             | EC No   | Index No     | REACH No         |          |
|             | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                       |              |                  |          |
| 64742-94-5  | Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom.                                      |              |                  | 50-<70 % |
|             | 265-198-5   |              |                  |          |
|             | Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H315 H336 H304 H411                         |              |                  |          |
| 337367-30-3 | 1-propene, 2-methyl, homopolymer, reaction product with ammonia                                       |              |                  | 10-<25 % |
|             |   |              |                  |          |
|             | Skin Irrit. 2, Aquatic Chronic 3; H315 H412   |              |                  |          |
| 64742-81-0  | Kerosine (petroleum), hydrodesulfurized   |              |                  | 5-<10 %  |
|             | 265-184-9   |              | 01-2119462828-25 |          |
|             | Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H315 H336 H304 H411                         |              |                  |          |
| 64742-82-1  | Naphtha (petroleum), hydrodesulphurized heavy   |              |                  | 5-<10 %  |
|             | 265-185-4   |              |                  |          |
|             | STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H372 H304 H412   |              |                  |          |
| 128-39-2    | 2,6-Di-tert-butylphenol   |              |                  | 5-<10 %  |
|             | 204-884-0   |              | 01-2119490822-33 |          |
|             | Skin Irrit. 2, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H315 H400 H410                      |              |                  |          |
| 101-83-7    | dicyclohexylamine   |              |                  | 3-<5 %   |
|             | 202-980-7   | 612-066-00-3 |                  |          |
|             | Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410 |              |                  |          |
| 91-20-3     | naphthalene   |              |                  | <1 %     |
|             | 202-049-5   | 601-052-00-2 |                  |          |
|             | Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410                        |              |                  |          |

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Observe risk of aspiration if vomiting occurs.

#### After inhalation

Provide fresh air. Remove victim out of the danger area.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Do not leave affected person unattended. Call a physician immediately.

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

Frequently or prolonged contact with skin may cause dermal irritation.

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

none

## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Sand. Foam. Dry extinguishing powder. Water spray jet.

#### **Unsuitable extinguishing media**

High power water jet

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrogen oxides (NO<sub>x</sub>). Pyrolysis products, toxic.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing. Burning produces heavy smoke.

#### **Additional information**

Move undamaged containers from immediate hazard area if it can be done safely. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

Observe the usual precautionary measures when handling chemicals. Due to the proportion of organic solvents, keep away from ignition sources and ensure that the room is well ventilated. Do not breathe vapour.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of waste according to applicable legislation.

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

Take up mechanically. Wipe up with absorbent material (eg. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clear spills immediately.

### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Observe the usual precautionary measures when handling chemicals. Only use the material in places where open light, fire and other flammable sources can be kept away.  
Avoid: Inhalation of vapours or spray/mists. Skin contact. Eye contact.  
Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas.  
Measures to prevent aerosol and dust generation: Ensure adequate ventilation of the storage area.

#### **Advice on protection against fire and explosion**

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

#### **Further information on handling**

When using do not eat, drink, smoke, sniff.

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Do not expose to temperatures above 50 °C. Ensure adequate ventilation of the storage area. Restrict access to stockrooms.

#### **Advice on storage compatibility**

Keep away from: Strong acid. Strong alkali. Oxidising agent.

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### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

Protect against: heat. UV-radiation/sunlight

### 7.3. Specific end use(s)

none

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

| CAS No  | Substance   | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|---------|-------------|-----|-------------------|-----------|---------------|--------|
| 91-20-3 | Naphthalene | 10  | 50                |           | TWA (8 h)     | EU     |
|         |             | -   | -                 |           | STEL (15 min) | EU     |

### 8.2. Exposure controls



#### Appropriate engineering controls

Avoid breathing vapours. Where workplace limits are exceeded, a respirator approved for this purpose must be worn.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Eye/face protection

Wear safety glasses.

Eye glasses with side protection

DIN EN 166

Observe the usual precautionary measures when handling chemicals.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Suitable protective clothing: Overall

Recommended material: Natural fibres (e.g. cotton)

Only wear fitting, comfortable and clean protective clothing.

#### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus: Combination filtering device (EN 14387) A

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### Environmental exposure controls

See section 7. No additional measures necessary.

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### SECTION 9: Physical and chemical properties

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

Physical state: liquid  
 Colour: light brown  
 Odour: like: Mineral oil

#### Test method

pH-Value: not determined

#### Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: >160 °C

Flash point: >61 °C

#### Flammability

Solid: not applicable

Gas: not applicable

Lower explosion limits: not determined

Upper explosion limits: not determined

#### Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidising.

Vapour pressure: <100 hPa  
 (at 50 °C)

Density (at 20 °C): <1 g/cm<sup>3</sup>

#### Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / kinematic: <20,5 mm<sup>2</sup>/s  
 (at 40 °C)

Vapour density: not determined

Evaporation rate: not determined

#### 9.2. Other information

Solid content: not determined

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

Reactions possible with oxidising agents.

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### 10.6. Hazardous decomposition products

Dangerous decomposition products can be created at high temperatures e.g. Carbon dioxide (CO<sub>2</sub>), Carbon monoxide (CO), Smoke, Nitrogen oxides (NO<sub>x</sub>),

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

| CAS No      | Chemical name  |                    |         |          |
|-------------|--|--------------------|---------|----------|
|             | Exposure route   | Dose               | Species | Source   |
| 64742-94-5  | Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom. |                    |         |          |
|             | oral   | LD50 >2000 mg/kg   | Rat     |          |
| 337367-30-3 | 1-propene, 2-methyl, homopolymer, reaction product with ammonia  |                    |         |          |
|             | oral   | LD50 >2000 mg/kg   | Rat     |          |
| 64742-81-0  | Kerosine (petroleum), hydrodesulfurized                          |                    |         |          |
|             | oral   | LD50 >5000 mg/kg   | Rat     |          |
|             | dermal   | LD50 >2000 mg/kg   | Rabbit  |          |
|             | inhalative (4 h) vapour  | LC50 5,28 mg/l     | Rat     |          |
| 64742-82-1  | Naphtha (petroleum), hydrodesulphurized heavy                    |                    |         |          |
|             | oral   | LD50 >5000 mg/kg   | Rat     | OECD 403 |
|             | dermal   | LD50 >2000 mg/kg   | Rat     |          |
| 128-39-2    | 2,6-Di-tert-butylphenol  |                    |         |          |
|             | oral   | LD50 >5000 mg/kg   | Rat     |          |
|             | dermal   | LD50 >10000 mg/kg  | Rabbit  |          |
| 101-83-7    | dicyclohexylamine  |                    |         |          |
|             | oral   | LD50 373 mg/kg     | Rat     | GESTIS   |
|             | dermal   | LD50 200-316 mg/kg | Rabbit  |          |
|             | inhalative (4 h) vapour  | LC50 >2,1 mg/l     | Rat     |          |
| 91-20-3     | naphthalene  |                    |         |          |
|             | oral   | ATE 500 mg/kg      |         |          |

#### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

#### Further information

In case of inhalation/eye contact: Irritation of mucous membrane, a numbing effect and the impairment of reaction time and sense of coordination are possible in the case of high concentrations.

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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| CAS No     | Chemical name  |                  |           |                                     |             |
|------------|--|------------------|-----------|-------------------------------------|-------------|
|            | Aquatic toxicity   | Dose             | [h]   [d] | Species                             | Source      |
| 64742-94-5 | Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom. |                  |           |                                     |             |
|            | Acute fish toxicity  | LC50 >10 mg/l    | 96 h      |                                     |             |
|            | Acute algae toxicity   | ErC50 >10 mg/l   |           |                                     |             |
|            | Acute crustacea toxicity   | EC50 >10 mg/l    | 48 h      |                                     |             |
| 64742-81-0 | Kerosine (petroleum), hydrodesulfurized                          |                  |           |                                     |             |
|            | Acute fish toxicity  | LC50 2-5 mg/l    | 96 h      | Oncorhynchus mykiss (Rainbow trout) |             |
|            | Acute algae toxicity   | ErC50 >1 mg/l    | 72 h      | Pseudokirchneriella subcapitata     |             |
|            | Acute crustacea toxicity   | EC50 1,4 mg/l    | 48 h      | Daphnia magna (Big water flea)      |             |
| 64742-82-1 | Naphtha (petroleum), hydrodesulphurized heavy                    |                  |           |                                     |             |
|            | Acute crustacea toxicity   | EC50 10-20 mg/l  | 48 h      | Daphnia magna (Big water flea)      | OECD 202    |
|            | Fish toxicity  | NOEC 0,22 mg/l   | 3 d       | Pseudokirchneriella subcapitata     | OECD 201    |
|            | Acute bacteria toxicity  | (10-20 mg/l)     |           | Activated sludge                    | calculated. |
| 128-39-2   | 2,6-Di-tert-butylphenol  |                  |           |                                     |             |
|            | Acute algae toxicity   | ErC50 >0,45 mg/l |           | Daphnia pulex (water flea)          |             |
| 101-83-7   | dicyclohexylamine  |                  |           |                                     |             |
|            | Acute fish toxicity  | LC50 62 mg/l     | 96 h      | Danio rerio                         | IUCLID      |

**12.2. Persistence and degradability**

The product is difficult to biodegrade. It can be mechanically separated in sewage treatment plants.

**12.3. Bioaccumulative potential**

May accumulate in organisms.

**Partition coefficient n-octanol/water**

| CAS No   | Chemical name     | Log Pow |
|----------|-------------------|---------|
| 101-83-7 | dicyclohexylamine | -0,4    |

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Product may not be released into water without pre-treatment (biological sewage plant).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

**Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of.



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## SECTION 14: Transport information


## Land transport (ADR/RID)

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 3082   |
| <b>14.2. UN proper shipping name:</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                               |
| <b>14.3. Transport hazard class(es):</b> | 9   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 9   |
|  |  |
| Classification code:                     | M6  |
| Special Provisions:                      | 274 335 375 601   |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |
| Transport category:                      | 3   |
| Hazard No:                               | 90  |
| Tunnel restriction code:                 | E   |

## Inland waterways transport (ADN)

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 3082   |
| <b>14.2. UN proper shipping name:</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                 |
| <b>14.3. Transport hazard class(es):</b> | 9   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 9   |
|  |  |
| Classification code:                     | M6  |
| Special Provisions:                      | 274 335 375 601   |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |

## Marine transport (IMDG)

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 3082   |
| <b>14.2. UN proper shipping name:</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                                 |
| <b>14.3. Transport hazard class(es):</b> | 9   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 9   |
|  |  |
| Special Provisions:                      | 274, 335, 969   |
| Limited quantity:                        | 5 L   |
| Excepted quantity:                       | E1  |
| EmS:                                     | F-A, S-F  |

## Air transport (ICAO-TI/IATA-DGR)

|  |   |
|--|---|
| <b>14.1. UN number:</b>                  | UN 3082   |
| <b>14.2. UN proper shipping name:</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| <b>14.3. Transport hazard class(es):</b> | 9   |
| <b>14.4. Packing group:</b>              | III   |
| Hazard label:                            | 9   |

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|  |               |       |
|--|---------------|-------|
| Special Provisions:                    | A97 A158 A197 |       |
| Limited quantity Passenger:            | 30 kg G       |       |
| Passenger LQ:                          | Y964          |       |
| Excepted quantity:                     | E1            |       |
| IATA-packing instructions - Passenger: |               | 964   |
| IATA-max. quantity - Passenger:        |               | 450 L |
| IATA-packing instructions - Cargo:     |               | 964   |
| IATA-max. quantity - Cargo:            |               | 450 L |

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



### 14.6. Special precautions for user

No information available.

### 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

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

### Relevant H and EUH statements (number and full text)

|      |  |
|------|--|
| H302 | Harmful if swallowed.  |
| H304 | May be fatal if swallowed and enters airways.                      |
| H314 | Causes severe skin burns and eye damage.                           |
| H315 | Causes skin irritation.  |
| H318 | Causes serious eye damage.   |
| H336 | May cause drowsiness or dizziness.                                 |
| H351 | Suspected of causing cancer.                                       |
| H372 | Causes damage to organs through prolonged or repeated exposure.    |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life.  |
| H410 | Very toxic to aquatic life with long lasting effects.              |

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H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*