SAFETY DATA SHEET
425/G149 - CHLORINATED RUBBER SAFETY YELLOW

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

1.1. Product identifier
Product name 425/G149 - CHLORINATED RUBBER SAFETY YELLOW
Product number 425/G149/776

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

1.3. Details of the supplier of the safety data sheet
Supplier TEAL & MACKRILL LIMITED
LOCKWOOD STREET
HULL
HU2 0HN

Contact person Technical Department, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

1.4. Emergency telephone number
Emergency telephone +44 (0)1482 320194 Teamac (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)
SDS No. 11371

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Flam. Liq. 3 - H226
Health hazards STOT SE 3 - H335, H336
Environmental hazards Aquatic Chronic 2 - H411


2.2. Label elements
Pictogram

Signal word Warning
**425/G149 - CHLORINATED RUBBER SAFETY YELLOW**

**Hazard statements**
- H226 Flammable liquid and vapour.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.
- P261 Avoid breathing vapour/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTRE/doctor if you feel unwell.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with national regulations.

**Supplemental label information**
- EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**
- HYDROCARBONS, C9, AROMATICS, HYDROCARBONS, C9-C11, <2% AROMATICS

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<table>
<thead>
<tr>
<th>HYDROCARBONS, C9, AROMATICS</th>
<th>30-60%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: —</td>
<td>EC number: 918-668-5</td>
</tr>
</tbody>
</table>

**Classification**
- Flam. Liq. 3 - H226
- STOT SE 3 - H335, H336
- Asp. Tox. 1 - H304
- Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)**
- Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

**Chlorinated polymer 20**

<table>
<thead>
<tr>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 9006-03-5</td>
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</tbody>
</table>

**Classification**
- Not Classified

**Classification (67/548/EEC or 1999/45/EC)**
- -
# 425/G149 - CHLORINATED RUBBER SAFETY YELLOW

<table>
<thead>
<tr>
<th>HYDROCARBONS, C9-C11, &lt;2% AROMATICS</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: —</td>
<td>EC number: 919-857-5</td>
</tr>
<tr>
<td>Classification</td>
<td>REACH registration number: 01-2119463258-33-XXXX</td>
</tr>
</tbody>
</table>

### Classification
- Flam. Liq. 3 - H226
- STOT SE 3 - H336
- Asp. Tox. 1 - H304

### C.I. Pigment Yellow 74
- 1-5%

|CAS number: 6358-31-2| EC number: 228-768-4|

### Classification
- Not Classified

### Yellow Iron Oxide
- 1-5%

|CAS number: 51274-00-1| EC number: 257-098-5|

### Classification
- Not Classified

### TOLUENE
- <1%

|CAS number: 108-88-3| EC number: 203-625-9|

### Classification
- Flam. Liq. 2 - H225
- Skin Irrit. 2 - H315
- Repr. 2 - H361d
- STOT SE 3 - H336
- STOT RE 2 - H373
- Asp. Tox. 1 - H304
- Aquatic Chronic 3 - H412

### C.I. Pigment Orange 36
- <1%

### ETHANOL
- <1%

|CAS number: 64-17-5| EC number: 200-578-6|

### Classification
- Flam. Liq. 2 - H225
- Eye Irrit. 2 - H319

### Classification (67/548/EEC or 1999/45/EC)
- F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67

### Classification (67/548/EEC or 1999/45/EC)
- F,R11
425/G149 - CHLORINATED RUBBER SAFETY YELLOW

**METHANOL**

<table>
<thead>
<tr>
<th>CAS number: 67-56-1</th>
<th>EC number: 200-659-6</th>
</tr>
</thead>
</table>

**Classification**
- Flam. Liq. 2 - H225
- Acute Tox. 3 - H301
- Acute Tox. 3 - H311
- Acute Tox. 3 - H331
- STOT SE 1 - H370

**Classification (67/548/EEC or 1999/45/EC)**
- F;R11 T;R23/24/25, R39/23/24/25

**PHTHALIC ANHYDRIDE**

<table>
<thead>
<tr>
<th>CAS number: 85-44-9</th>
<th>EC number: 201-607-5</th>
<th>REACH registration number: 01-2119457017-41-000</th>
</tr>
</thead>
</table>

**Classification**
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- Resp. Sens. 1 - H334
- Skin Sens. 1 - H317
- STOT SE 3 - H335

**Classification (67/548/EEC or 1999/45/EC)**
- Xn;R22 R42/43 Xi;R37/38,R41

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

**General information**
Get medical attention if any discomfort continues.

**Inhalation**
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Place unconscious person on their side in the recovery position and ensure breathing can take place.

**Ingestion**
Get medical attention immediately. Do not induce vomiting.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water. DO NOT use solvents or thinners

**Eye contact**
Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Consult a physician for specific advice.

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

**General information**
Get medical attention promptly if symptoms occur after washing.

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

**Notes for the doctor**
No specific recommendations.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media**
Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture
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Specific hazards
Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. Oxides of carbon. Oxides of nitrogen. Fire creates: Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NOₓ).

5.3. Advice for firefighters
Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Vapours may accumulate on the floor and in low-lying areas. Use explosion proof electric equipment. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Storage class
Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32°C but below 55°C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.
7.3. 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, C9, AROMATICS
Long-term exposure limit (8-hour TWA): WEL 19 ppm 100 mg/m³ vapour

Chlorinated polymer 20
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ total dust

C.I. Pigment Yellow 74
Long-term exposure limit (8-hour TWA): MEL 1.5 mg/m³ total dust

Yellow Iron Oxide
Long-term exposure limit (8-hour TWA): WEL 5 (as Fe) mg/m³ fume
Short-term exposure limit (15-minute): WEL 10 (as Fe) mg/m³ fume

TOLUENE
Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³
Sk

C.I. Pigment Orange 36
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ total dust

ETHANOL
Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

METHANOL
Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m³(Sk)
Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m³(Sk)

PHTHALIC ANHYDRIDE
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³(Sen)
Short-term exposure limit (15-minute): WEL 12 mg/m³(Sen)

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

HYDROCARBONS, C9, AROMATICS

DNEL
Consumer - Oral; Long term systemic effects: 11 mg/kg/day
Consumer - Dermal; Long term systemic effects: 11 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 32 mg/m³
Industry - Dermal; Long term systemic effects: 25 mg/kg/day
Industry - Inhalation; Long term systemic effects: 150 mg/m³

PNEC
No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

HYDROCARBONS, C9-C11, <2% AROMATICS
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**DNEL**

Consumer - Oral; Long term systemic effects: 300 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 1500 mg/m³  
Industry - Dermal; Long term systemic effects: 300 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 300 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 900 mg/m³  

**PNEC**

No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

**Chlorinated Paraffin 48 (CAS: 63449-39-8)**

**DNEL**

Industry - Inhalation; Long term systemic effects: 2.35 mg/m³  
Industry - Dermal; Long term systemic effects: 20 mg/kg/day  
Consumer - Oral; Long term systemic effects: 0.167 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 8.3 mg/kg/day  

**PNEC**

- Fresh water; 0.003 mg/l  
- Marine water; 0.001 mg/l  
- STP; 60 mg/l  
- Sediment (Freshwater); 5710 mg/kg  
- Soil; 4640 mg/kg  

**Yellow Iron Oxide (CAS: 51274-00-1)**

**DNEL**

Workers - Inhalation; Long term systemic effects: 10 (inhalable) mg/m³  
Workers - Inhalation; Long term local effects: 10 inhalable mg/m³  

**TOLUENE (CAS: 108-88-3)**

**DNEL**

Industry - Inhalation; Short term: 384 mg/m³  
Industry - Inhalation; Long term: 192 mg/m³  
Industry - Dermal; Long term: 384 mg/kg/day  
Consumer - Inhalation; Short term: 226 mg/m³  
Consumer - Inhalation; Long term: 56.5 mg/m³  
Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day  
Consumer - Dermal; Long term: 226 mg/kg/day  

**PNEC**

- Fresh water; 0.68 mg/l  
- Sediment; 16.39 mg/l  
- Soil; 2.89 mg/l  
- STP; 13.61 mg/l  

**ETHANOL (CAS: 64-17-5)**

**DNEL**

Workers - Inhalation; Long term systemic effects: 950 mg/m³  
Workers - Inhalation; Short term local effects: 1900 mg/m³  
Workers - Dermal; Long term systemic effects: 343 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 114 mg/m³  
Consumer - Inhalation; Short term local effects: 950 mg/m³  
Consumer - Dermal; Long term systemic effects: 206 mg/kg/day  
Consumer - Oral; Long term systemic effects: 87 mg/kg/day
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PNEC
- Fresh water; 0.96 mg/l
- Marine water; 0.79 mg/l
- Intermittent release; 2.75 mg/l
- STP; 580 mg/l
- Sediment (Freshwater); 3.6 mg/kg/day
- Sediment (Marine water); 2.9 mg/kg/day
- Soil; 0.63 mg/kg/day

METHANOL (CAS: 67-56-1)

DNEL
Workers - Dermal; Short term systemic effects: 40 mg/kg/day
Workers - Inhalation; Short term systemic effects: 260 mg/m³
Workers - Inhalation; Short term systemic effects: 40 mg/m³
Workers - Dermal; Long term systemic effects: 40 mg/kg/day
Workers - Inhalation; Long term systemic effects: 260 mg/m³
Workers - Inhalation; Long term local effects: 260 mg/m³
Consumer - Dermal; Short term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Short term systemic effects: 50 mg/m³
Consumer - Oral; Short term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Long term local effects: 50 mg/m³
Consumer - Oral; Long term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 50 mg/m³
Consumer - Dermal; Long term systemic effects: 8 mg/kg/day
Consumer - Inhalation; Short term local effects: 50 mg/m³

PNEC
- Fresh water; 154 mg/l
- Marine water; 15.4 mg/l
- Sediment; 570.4 mg/kg
- Soil; 23.5 mg/kg
- STP; 100 mg/l
- Intermittent release; 1540 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Wear chemical splash goggles.

Hand protection
Wear protective gloves. 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. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Hygiene measures
Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a full facepiece, supplied-air respirator.
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**SECTION 9: Physical and Chemical Properties**

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid. Coloured liquid.</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow.</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic. Organic solvents.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined.</td>
</tr>
<tr>
<td>pH</td>
<td>Technically not feasible.</td>
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<tr>
<td>Melting point</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>Not determined.</td>
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<tr>
<td>Flash point</td>
<td>40 (approx.)°C Closed cup.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>: 0.8</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Other flammability</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>heavier than air</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.06 @ @ 20°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Immiscible with water</td>
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<tr>
<td>Partition coefficient</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>3.0 (ICI Rtothinner) P @ 25°C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined.</td>
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<tr>
<td>Explosive under the influence of</td>
<td>Not considered to be explosive.</td>
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<tr>
<td>a flame</td>
<td></td>
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<tr>
<td>Oxidising properties</td>
<td>Not determined.</td>
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9.2. Other information

<table>
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<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Volatility</td>
<td>65</td>
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<tr>
<td>Volatile organic</td>
<td>This product contains a maximum VOC content of 564 g/litre.</td>
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</tbody>
</table>

**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
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Possibility of hazardous reactions
Not determined.

10.4. Conditions to avoid
Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials
Materials to avoid

10.6. Hazardous decomposition products
Hazardous decomposition products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects
No data recorded.

General information
Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation
May cause respiratory system irritation. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.

Ingestion
Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea. May cause nausea, headache, dizziness and intoxication.

Skin contact
May be absorbed through the skin. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema.

Eye contact
Irritation of eyes and mucous membranes.

Route of exposure
Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Toxicological information on ingredients.

HYDROCARBONS, C9, AROMATICS

<table>
<thead>
<tr>
<th>Toxicity - oral</th>
<th>3,492.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity oral (LD₅₀ mg/kg)</td>
<td>3,492.0</td>
</tr>
<tr>
<td>Species</td>
<td>Rat</td>
</tr>
<tr>
<td>Notes (oral LD₅₀)</td>
<td>Based on available data the classification criteria are not met.</td>
</tr>
<tr>
<td>ATE oral (mg/kg)</td>
<td>3,492.0</td>
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<table>
<thead>
<tr>
<th>Toxicity - dermal</th>
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</thead>
<tbody>
<tr>
<td>Acute toxicity dermal (LD₅₀ mg/kg)</td>
<td>3,160.0</td>
</tr>
<tr>
<td>Species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Notes (dermal LD₅₀)</td>
<td>Based on available data the classification criteria are not met.</td>
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</tbody>
</table>
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ATE dermal (mg/kg) 3,160.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 6,193.0

Species Rat

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 6,193.0

Skin corrosion/irritation

Animal data Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H335, H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Target organs Respiratory system, lungs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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Inhalation
A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing. Vapours may cause headache, fatigue, dizziness and nausea. Central nervous system depression. During application and drying, solvent vapours will be emitted. Vapours in high concentrations are narcotic.

Ingestion
Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact
Repeated exposure may cause skin dryness or cracking. Discoloration of the skin.

Eye contact
May cause temporary eye irritation.

Route of exposure
Ingestion Inhalation Skin and/or eye contact

Target organs
Central nervous system Respiratory system, lungs

HYDROCARBONS, C9-C11, <2% AROMATICS

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg) 5,100.0
Species Rat
ATE oral (mg/kg) 5,100.0

Acute toxicity - dermal
Acute toxicity dermal (LD₅₀ mg/kg) 5,100.0
Species Rabbit
ATE dermal (mg/kg) 5,100.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 5,100.0
Species Rat
ATE inhalation (vapours mg/l) 5,100.0

Skin corrosion/irritation
Not irritating.

Serious eye damage/irritation
Not irritating.

Respiratory sensitisation
Not sensitising.

Skin sensitisation
Not sensitising.

Germ cell mutagenicity
CHLORINATED RUBBER SAFETY YELLOW

Genotoxicity - in vitro
Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
Developmental toxicity: - ; , Inhalation, Rat This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure Not available.

Aspiration hazard
Kinematic viscosity <= 20.5 mm2/s.

Inhalation
Vapours may cause drowsiness and dizziness. Central nervous system depression.

Ingestion
Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Skin contact
Product has a defatting effect on skin. May cause allergic contact eczema.

Eye contact
No specific health hazards known.

Section 12: Ecological Information

Ecotoxicity
There are no data on the ecotoxicity of this product. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1. Toxicity

Ecological information on ingredients.

HYDROCARBONS, C9, AROMATICS

Toxicity
Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish
LC50, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates
EC50, 48 hours: 3.2 mg/l, Daphnia magna

Acute toxicity - microorganisms
EC50, 48 hours: 2.9 mg/l,

HYDROCARBONS, C9-C11, <2% AROMATICS

Acute aquatic toxicity
LC50, > 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Substance did not cause acute toxicity to fish
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Acute toxicity - aquatic invertebrates
Substance did not cause acute toxicity to the freshwater invertebrates
EC₅₀, 48 hours: >1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC₅₀, > 72 hours: 1000 mg/l, Freshwater algae
Substance did not cause acute toxicity to the freshwater green algae

Acute toxicity - microorganisms
EC₅₀, >: 100 mg/l, Activated sludge

Chronic aquatic toxicity

Chronic toxicity - fish early life stage
NOEC, 28 days: 0.131 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates
NOEC, 28 days: 0.23 mg/l, Daphnia magna

12.2. Persistence and degradability
Persistency and degradability
No data available.

Ecological information on ingredients.

HYDROCARBONS, C9, AROMATICS

Persistence and degradability
The degradability of the product is not known.

Biodegradation
- 78%: 28 days

HYDROCARBONS, C9-C11, <2% AROMATICS

Persistence and degradability
The product is readily biodegradable.

Phototransformation
Oxidises rapidly by photo-chemical reactions in air

Biodegradation
- 80 Degradation (%): 28 days
Test - 301F Ready Biodegradability - Manometric Respiratory Test

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not determined.

Ecological information on ingredients.

HYDROCARBONS, C9, AROMATICS

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
Not available.

HYDROCARBONS, C9-C11, <2% AROMATICS

Bioaccumulative potential
The product contains potentially bioaccumulating substances.

Partition coefficient
log Pow: 5 - 6.7

12.4. Mobility in soil
Mobility
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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Ecological information on ingredients.

HYDROCARBONS, C9, AROMATICS

**Mobility**
No data available.

**HYDROCARBONS, C9-C11, <2% AROMATICS**

**Mobility**
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. Readily absorbed into soil.

**Adsorption/desorption coefficient**
Not available.

**Surface tension**
24.5 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

**HYDROCARBONS, C9, AROMATICS**

**Results of PBT and vPvB assessment**
This substance is not classified as PBT or vPvB according to current EU criteria.

**HYDROCARBONS, C9-C11, <2% AROMATICS**

**Results of PBT and vPvB assessment**
This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

**Other adverse effects**
The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

Ecological information on ingredients.

**HYDROCARBONS, C9, AROMATICS**

**Other adverse effects**
None known.

**HYDROCARBONS, C9-C11, <2% AROMATICS**

**Other adverse effects**
Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

**General information**
Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**
Avoid the spillage or runoff entering drains, sewers or watercourses.

**Waste class**
When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).
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SECTION 14: Transport information

General
This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

14.1. UN number
UN No. (ADR/RID) 1263
UN No. (IMDG) 1263
UN No. (ICAO) 1263

14.2. UN proper shipping name
Proper shipping name (ADR/RID) PAINT
Proper shipping name (IMDG) PAINT
Proper shipping name (ICAO) PAINT
Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)
ADR/RID class 1263
IMDG class 3
ICAO class/division 3

14.4. Packing group
ADR/RID packing group III
IMDG packing group III
ICAO packing group III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS F-E, S-E
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Guidance
Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.
Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments
Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Revision to sections 2, 8, 11 & 12 for reclassification of solvents.

Issued by
Technical Dept. (P.E.)

Revision date
18/07/2018

Revision
3.0

Supersedes date
11/05/2015

SDS number
11371

SDS status
Approved.

Risk phrases in full
Not classified.
R10 Flammable.
R11 Highly flammable
R20/21 Harmful by inhalation and in contact with skin.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
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Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H370 Causes damage to organs.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Signature

Initials ............................................

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.