SAFETY DATA SHEET
425/G149 - CHLORINATED RUBBER CLEAR SEALER

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

1.1. Product identifier

Product name 425/G149 - CHLORINATED RUBBER CLEAR SEALER
Product number 425/G149/TS

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

SDS No. 11046

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 CLEAR SEALER

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.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapour/ spray.
P273 Avoid release to the environment.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water or shower.
P312 Call a POISON CENTRE/doctor if you feel unwell.
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

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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<thead>
<tr>
<th>HYDROCARBONS, C9, AROMATICS</th>
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<td>EC number: 918-668-5</td>
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<td></td>
<td>REACH registration number: 01-2119455851-35-xxxx</td>
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<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<td>Flam. Liq. 3 - H226</td>
<td>Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.</td>
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<tr>
<td>STOT SE 3 - H335, H336</td>
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<tr>
<td>Asp. Tox. 1 - H304</td>
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<tr>
<td>Aquatic Chronic 2 - H411</td>
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<table>
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<table>
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<tr>
<td>Flam. Liq. 3 - H226</td>
<td>Xn;R65. R10,R66,R67.</td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td></td>
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<tr>
<td>Asp. Tox. 1 - H304</td>
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</table>
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Toluene

CAS number: 108-88-3
EC number: 203-625-9
REACH registration number: 01-2119471310-51-0026

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

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

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
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. 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 32C but below 55C 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)
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
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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
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.

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

HYDROCARBONS, C9-C11, <2% AROMATICS

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: 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.

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
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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Colour
Light (or pale).

Odour
Organic solvents.

Odour threshold
Not determined.

pH
Technically not feasible.

Melting point
Not determined.

Initial boiling point and range
Not determined.

Flash point
40 approx. °C Closed cup.

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Upper/lower flammability or explosive limits
: 0.8

Other flammability
Not determined.

Vapour pressure
Not determined.

Vapour density
heavier than air

Relative density
1.00 - 1.10 @ @ 20 °C
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Solubility(ies) Insoluble in water
Partition coefficient Not determined.
Auto-ignition temperature Not determined.
Decomposition Temperature Not determined.
Viscosity 3.0 (ICI Rotothinner) P @ 25°C
Explosive properties Not determined.
Explosive under the influence of a flame Not considered to be explosive.
Oxidising properties Not determined.

9.2. Other information
Volatile organic compound This product contains a maximum VOC content of 620 g/litre.

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

10.5. Incompatible materials
Materials to avoid Strong alkalis. Strong acids. Strong oxidising agents.

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.
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**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.**

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<tr>
<th>Toxicity Type</th>
<th>Description</th>
<th>Data</th>
<th>Notes</th>
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<td><strong>HYDROCARBONS, C9, AROMATICS</strong></td>
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<td><strong>Acute toxicity - oral</strong></td>
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<tr>
<td>ATE oral (mg/kg)</td>
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<tr>
<td><strong>Acute toxicity - dermal</strong></td>
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<tr>
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<tr>
<td>ATE dermal (mg/kg)</td>
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<td><strong>Acute toxicity - inhalation</strong></td>
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<tr>
<td>Species</td>
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<tr>
<td>ATE inhalation (vapours mg/l)</td>
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<td><strong>Skin corrosion/irritation</strong></td>
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<td>Repeated exposure may cause skin dryness or cracking.</td>
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<td><strong>Serious eye damage/irritation</strong></td>
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<td><strong>Carcinogenicity</strong></td>
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<td>Based on available data the classification criteria are not met.</td>
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</table>
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IARC carcinogenicity
None of the ingredients are listed or exempt.

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

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

Reproductive toxicity - development

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
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.

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

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
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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,

12.2. Persistence and degradability

Persistence 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

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.

12.4. Mobility in soil

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

HYDROCARBONS, C9, AROMATICS

Mobility

No data available.

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.

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.
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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).

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) Contains Solvent Naphtha (Petroleum) & 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.) MARINE POLLUTANTS
Proper shipping name (IMDG) Contains Solvent Naphtha (Petroleum) & 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.) MARINE POLLUTANTS
Proper shipping name (ICAO) Contains Solvent Naphtha (Petroleum) & 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.) MARINE POLLUTANTS
Proper shipping name (ADN) Contains Solvent Naphtha (Petroleum) & 1,2,4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.) MARINE POLLUTANTS

14.3. Transport hazard class(es)

ADR/RID class 1263
IMDG class 3
ICAO class/division 3

Transport labels

14.4. Packing group

ADR/RID packing group III
IMDG packing group III
ICAO packing group III

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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

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

SECTION 18: 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 19/07/2018
Revision 3.0
Supersedes date 11/05/2015
SDS number 11046
SDS status Approved.
425/G149 - CHLORINATED RUBBER CLEAR SEALER

Risk phrases in full
Not classified.
R10 Flammable.
R11 Highly flammable
R37 Irritating to respiratory system.
R38 Irritating to skin.
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.

Hazard statements in full
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
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 ............................................

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