



SAFETY DATA SHEET

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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

1.1. Product identifier

Product name 425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Product number 425/G149/779, 1, +Pale Colours

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

+44(0)1482 320194(T)

+44(0)1482 219266(F)

info@teamac.co.uk

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. 10178

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

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

2.2. Label elements

Pictogram



Signal word

Warning

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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	P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P501 Dispose of contents/ container to ... P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. 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
Supplementary precautionary statements	P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. 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. P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROCARBONS, C9, AROMATICS	30-60%
CAS number: —	EC number: 918-668-5
	REACH registration number: 01-2119455851-35-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
STOT SE 3 - H335, H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
Chlorinated polymer 20	10-30%
CAS number: 9006-03-5	
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Titanium Dioxide	10-30%
CAS number: 13463-67-7	EC number: 236-675-5
	REACH registration number: 01-2119489379-17-xxxx
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
HYDROCARBONS, C9-C11, <2% AROMATICS	5-10%
CAS number: —	EC number: 919-857-5
	REACH registration number: 01-2119463258-33-XXXX
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R10,R66,R67.
C.I. Pigment Blue 15:3	<1%
CAS number: 147-14-8	EC number: 205-685-1
	REACH registration number: 01-2119458771-32-0000
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
TOLUENE	<1%
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
Yellow Iron Oxide	<1%
CAS number: 51274-00-1	EC number: 257-098-5
	REACH registration number: 01-2119454754-33-xxxx
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

ETHANOL			<1%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-xxxx	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) F;R11		
METHANOL			<1%
CAS number: 67-56-1	EC number: 200-659-6		
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			<1%
CAS number: 85-44-9	EC number: 201-607-5	REACH registration number: 01-2119457017-41-0000	
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

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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: Acid smoke or fumes. Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

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 Keep container tightly closed. Keep containers upright. Protect from light. Store in closed original container at temperatures between 5°C and 25°C. Store away from the following materials: Oxidising materials. Acids. Alkalis.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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

Titanium Dioxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

C.I. Pigment Blue 15:3

Long-term exposure limit (8-hour TWA): MEL 1.5 mg/m³ resp.dust

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

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

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

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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/m ³ Industry - Dermal; Long term systemic effects: 25 mg/kg/day Industry - Inhalation; Long term systemic effects: 150 mg/m ³
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.

Titanium Dioxide (CAS: 13463-67-7)

DNEL	Industry - Inhalation; Long term local effects: 10 mg/m ³ Consumer - Oral; Long term systemic effects: 700 mg/kg/day
PNEC	- Fresh water; 0.184 mg/l - Marine water; 0.0184 mg/l - Sediment (Freshwater); >=1000 mg/kg - Sediment (Marinewater); >=100 mg/kg - Soil; 100 mg/kg - STP; 100 mg/kg

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

DNEL	Industry - Inhalation; Long term systemic effects: 2.35 mg/m ³ 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/m ³ 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/m ³
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)

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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

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

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

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 (Marinewater); 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

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. Coloured liquid.
Colour	Blue. White. Light (or pale). Various colours
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.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Vapour density	heavier than air
Relative density	1.08 - 1.25 @ @ 20 C°C
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°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 560 - 620 depending on colour 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.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,492.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 3,492.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,160.0

Species Rabbit

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

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.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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.

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

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Acute toxicity oral (LD₅₀ mg/kg)	5,100.0
Species	Rat
ATE oral (mg/kg)	5,100.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	5,100.0
Species	Rabbit
ATE dermal (mg/kg)	5,100.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	5,100.0
Species	Rat
ATE inhalation (vapours mg/l)	5,100.0
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Not irritating.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	Developmental toxicity: - : , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Not available.
<u>Aspiration hazard</u>	
Aspiration hazard	Kinematic viscosity <= 20.5 mm ² /s.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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.
Route of exposure	Inhalation Dermal

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.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC ₅₀ , 48 hours: 2.9 mg/l,

HYDROCARBONS, C9-C11, <2% AROMATICS

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , > 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) Substance did not cause acute toxicity to fish
Acute toxicity - aquatic invertebrates	Substance did not cause acute toxicity to the freshwater invertebrates EC ₅₀ , 48 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , > 72 hours: 1000 mg/l, Freshwater algae Substance did not cause acute toxicity to the freshwater green algae
Acute toxicity - microorganisms	EC ₅₀ , >: 100 mg/l, Activated sludge
<u>Chronic aquatic toxicity</u>	
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

Persistence and degradability No data available.

Ecological information on ingredients.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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.

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.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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).

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

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL 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

Transport labels



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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.
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]

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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	26/07/2018
Revision	9.0
Supersedes date	11/05/2015
SDS number	10731
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.

425/G149 - CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

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.