



SAFETY DATA SHEET
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 CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT
Product No. 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

+44 (0) 1482 320194

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and Chemical Hazards Flam. Liq. 3 - H226
Human health EUH066;STOT Single 3 - H336
Environment Aquatic Chronic 2 - H411
Classification (1999/45/EEC) N;R51/53. R10, R66, R67.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.
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.
P501A Dispose of contents/container to special waste collection point

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Supplemental label information

EUH066

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

SOLVENT NAPHTHA (PETROLEUM)		10-30%
CAS-No.: 64742-95-6		EC No.: 265-199-0
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT Single 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66,R67.	
1,2,4-TRIMETHYLBENZENE		10-30%
CAS-No.: 95-63-6		EC No.: 202-436-9
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT Single 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R20 Xi;R36/37/38 N;R51/53	
MESITYLENE		1-5%
CAS-No.: 108-67-8		EC No.: 203-604-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xi;R37 N;R51/53	
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.		1-5%
CAS-No.: 64742-88-7		EC No.: 265-191-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66.	
XYLENE		1-5%
CAS-No.: 1330-20-7		EC No.: 215-535-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC) R10 Xn;R20/21 Xi;R38	

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Low Aromatic White Spirit	1-5%
CAS-No.: 64742-48-9	EC No.: 265-150-3
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R10,R66.
White spirit	<1%
CAS-No.: 64742-82-1	EC No.: 265-185-4
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10.
ETHYLBENZENE	<0.1%
CAS-No.: 100-41-4	EC No.: 202-849-4
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H332	Classification (67/548/EEC) F;R11 Xn;R20
CUMENE	<0.1%
CAS-No.: 98-82-8	EC No.: 202-704-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT Single 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R65 Xi;R37 N;R51/53
METHANOL	<0.1%
CAS-No.: 67-56-1	EC No.: 200-659-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25
ETHANOL	<0.1%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

BENZENE		<0.1%
CAS-No.: 71-43-2	EC No.: 200-753-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Skin Irrit. 2 - H315	Carc. Cat. 1;R45	
Eye Irrit. 2 - H319	Muta. Cat. 2;R46	
Muta. 1B - H340	T;R48/23/24/25	
Carc. 1A - H350	Xn;R65	
STOT Rep. 1 - H372	Xi;R36/38	
Asp. Tox. 1 - H304		

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 into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Place unconscious person on the 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

Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Consult a physician for specific advice.

4.2. Most important symptoms and effects, both acute and delayed**4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

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

In case of fire, toxic gases may be formed (COx, NOx). Fire creates: Acrid smoke/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Nitrous gases (NOx).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT**6.3. Methods and material for containment and cleaning up**

Collect with absorbent, non-combustible material into suitable containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Risk of vapour concentration 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

Keep containers tightly closed. Keep upright. Protect from light, including direct sunrays. Store in closed original container at temperatures between 5°C and 25°C. Store separated from: Oxidising material. Acids. Alkalis.

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)**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m3			
BENZENE	WEL	3 ppm				
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m3(Sk)	125 ppm(Sk)	552 mg/m3(Sk)	
Low Aromatic White Spirit	WEL		1000 mg/m3			
MESITYLENE	WEL	25 ppm	125 mg/m3			
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
SOLVENT NAPHTHA (PETROLEUM)	SUP		mg/m3			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation, use air-supplied full-mask.

Hand protection

Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform 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.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Viscous Coloured liquid.
Colour	Blue. White. Light (or pale). Various colours
Odour	of solvents
Solubility	Insoluble in water
Relative density	1.08 - 1.25 @ 20 C
Vapour density (air=1)	heavier than air
Viscosity	3.0 (ICI Rotothinner) Ps @ 25 C
Flash point (°C)	40 approx. CC (Closed cup).
Flammability Limit - Upper(%)	0.8

9.2. Other information

Volatility Description	Volatile
Volatile Organic Compound (VOC)	560 - 620 depending on colour g/litre

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity****10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

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 information

No data recorded.

General information

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

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT**Inhalation**

May cause irritation to the respiratory system. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Ingestion

Liquid irritates mucous membranes and may cause abdominal pain if swallowed. May irritate and cause stomach pain, vomiting and diarrhoea. May cause nausea, headache, dizziness and intoxication.

Skin contact

May be absorbed through the skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

Irritation of eyes and mucous membranes.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

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**12.2. Persistence and degradability****Degradability**

No data available.

12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Do not allow runoff to sewer, waterway or ground.

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/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

14.2. UN proper shipping name

Proper Shipping Name	Contains 1, 2, 4-Trimethylbenzene, Class 3, PG III, (41 °C c.c.) MARINE POLLUTANT
Proper Shipping Name	PAINT

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	1263
ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3
ICAO Class/Division	3
Transport Labels	

**14.4. Packing group**

ADR/RID/ADN 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 MARPOL73/78 and the IBC Code**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Health and Safety at Work Act 1974.

Environmental Listing

Control of Pollution Act 1974. Rivers (Prevention of Pollution) Act 1961.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) Dangerous Substances and Explosive Atmospheres Regulations 2002 [SI 2002: 2776] The Manual Handling Operations Regulations 1992 [SI 1992:2793]

15.2. Chemical Safety Assessment

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT**SECTION 16: OTHER INFORMATION**

Revision Comments

Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in compliance with 30th & 31st ATP to Council Directive 67/548, as detailed in Commission Directive 2004/73/EC (1st ATP of EC Regulation 1272/2008) Revisions to Sections (2), (3), (8), (15), and (16) - re-classification of resin components. Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010

Issued By	Technical Dept. (P.E.)
Revision Date	12/01/2012
Revision	6
Supersedes date	25/11/2010
SDS No.	10731
Safety Data Sheet Status	Approved.
Date	Date Printed
Signature	Initials

Risk Phrases In Full

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R45	May cause cancer.
R46	May cause heritable genetic damage.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H372	Causes damage to organs <<Organs>> through prolonged or repeated exposure.
H370	Causes damage to organs <<Organs>>.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H350	May cause cancer.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.

CHLORINATED RUBBER BLUE, WHITE + PALE COLOURS also SWIMMING POOL PAINT

Disclaimer

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.