



**SAFETY DATA SHEET**  
**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name 425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS  
Product No. 425/G149/ - Tint machine 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 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

**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 SE 3 - H335, H336  
Environment Aquatic Chronic 2 - H411  
Classification (1999/45/EEC) Xi;R37. N;R51/53. R10, R66, R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

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



Signal Word Warning  
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.

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Precautionary Statements

P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
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

Supplementary Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour/spray.
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Supplemental label information

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Hydrocarbons, C9, aromatics	30-60%
CAS-No.:	EC No.: 918-668-5
	Registration Number: 01-2119455851-35-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
Chlorinated polymer 20	10-30%
CAS-No.: 9006-03-5	EC No.:
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.

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WHITE SPIRIT		1-5%
CAS-No.:	EC No.: 919-446-0	Registration Number: 01-2119458049-33-XXXX
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. N;R51/53. R10,R66,R67.	
XYLENE, MIXED ISOMERS		1-5%
CAS-No.: 1330-20-7	EC No.: 215-535-7	Registration Number: 01-2119488216-32-xxxx
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R20/21,R65. Xi;R36/37/38. R10.	
SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%)		1-5%
CAS-No.: 64742-95-6	EC No.: 265-199-0	Registration Number: 01-2119455851-35
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	
ETHYLBENZENE		1-5%
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	
1,2,4-TRIMETHYLBENZENE		<1%
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 SE 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R20 Xi;R36/37/38 N;R51/53	

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2-METHOXY-1-METHYLETHYL ACETATE			<1%
CAS-No.: 108-65-6	EC No.: 203-603-9	Registration Number: 01-2119475791-29-xxxx	

Classification (EC 1272/2008) Flam. Liq. 3 - H226	Classification (67/548/EEC) R10
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TOLUENE			<1%
CAS-No.: 108-88-3	EC No.: 203-625-9	Registration Number: 01-2119471310-51-0026	

Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	Classification (67/548/EEC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67
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MESITYLENE			<1%
CAS-No.: 108-67-8	EC No.: 203-604-4		

Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT SE 3 - H335 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xi;R37 N;R51/53
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CUMENE			<0.1%
CAS-No.: 98-82-8	EC No.: 202-704-5		

Classification (EC 1272/2008) Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) R10 Xn;R65 Xi;R37 N;R51/53
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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.

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

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

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

No specific first aid measures noted.

## **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.

### **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**

For personal protection, see section 8.

## **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.

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS****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)**

The identified uses for this product are detailed in Section 1.2.

**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			
2-METHOXY-1-METHYLETHYL ACETATE	WEL	50 ppm	274 mg/m3	100 ppm	548 mg/m3	Sk
Chlorinated polymer 20	WEL		10 mg/m3 total dust			
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)	
ETHYLBENZENE	WEL	100 ppm	441 mg/m3	125 ppm	552 mg/m3	Sk
Hydrocarbons, C9, aromatics	WEL	19 ppm	100 mg/m3			
SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%)	SUP		600 mg/m3			
TOLUENE	WEL	50 ppm	191 mg/m3	100 ppm	384 mg/m3	Sk
WHITE SPIRIT	WEL		350 mg/m3			
XYLENE, MIXED ISOMERS	WEL	50 ppm	220 mg/m3	100 ppm	441 mg/m3	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS****2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)**

DNEL				
Professional	Dermal	Long Term	Systemic Effects	153.5 mg/kg/day
Professional	Inhalation.	Long Term	Systemic Effects	275 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	54.8 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	33 mg/m3
Consumer	Oral	Long Term	Systemic Effects	1.67 mg/kg/day
PNEC				
Freshwater	0.635	mg/l		
Marinewater	0.0635	mg/l		
Intermittent release	6.35	mg/l		
STP	100	mg/l		
Sediment	3.29	mg/kg		
Sediment (Marinewater)	0.329	mg/kg		
Soil	0.29	mg/kg		

**SOLVENT NAPHTHA, LIGHT AROMATIC( content of benzene <0.1%) (CAS: 64742-95-6)**

DNEL				
Industry	Dermal	Long Term	Systemic Effects	25 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	150 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	11 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	32 mg/m3
Consumer	Oral	Long Term	Systemic Effects	11 mg/kg/day

**WHITE SPIRIT**

DNEL				
Consumer	Oral	Long Term	Systemic Effects	1040 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	1040 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	710 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	570 mg/m3
Industry	Inhalation.	Short Term	Systemic Effects	570 mg/m3
Industry	Inhalation.	Long Term	Systemic Effects	1980 mg/m3
Industry	Dermal	Long Term	Systemic Effects	1056 mg/kg/day

**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	100 mg/m3

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

DNEL				
Consumer	Oral	Long Term	Systemic Effects	12.5 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	1872 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	65.3 mg/m3
Consumer	Inhalation.	Short Term	260	mg/m3
Industry	Dermal	Long Term	Systemic Effects	3182 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	221 mg/m3
Industry	Inhalation.	Short Term	442	mg/m3

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.

**ETHYLBENZENE (CAS: 100-41-4)**

DNEL				
Consumer	Oral	Long Term	Systemic Effects	1.6 mg/kg/day
Consumer	Dermal	Long Term	Systemic Effects	108 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	14.8 mg/m3
Industry	Dermal	Long Term	Systemic Effects	180 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	77 mg/m3
Industry	Inhalation.	Short Term	289	mg/m3

**8.2. Exposure controls**

Protective equipment



Process conditions

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

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS****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	Various colours
Odour	of solvents
Solubility	Insoluble in water
Relative density	1.00 - 1.10 @ 20 C
Vapour density (air=1)	heavier than air
Viscosity	3.0 (ICI Rot thinner) 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**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

Not determined.

**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**



## 425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS

### 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.

#### 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.

#### Toxicological information on ingredients.

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**  
**WHITE SPIRIT**

**Other Health Effects**

This substance has no evidence of carcinogenic properties.

**Acute toxicity:**

Acute Toxicity (Oral LD50)

> 15000 mg/kg Rat

Minimally toxic via ingestion

Acute Toxicity (Dermal LD50)

~ 3400 mg/kg Rabbit

Not corrosive to skin Not irritating

Acute Toxicity (Inhalation LC50)

> 13.1 mg/l (vapours) Rat 4 hours

**Serious eye damage/irritation:**

Not Irritating.

**Respiratory or skin sensitisation:**

Respiratory sensitisation

Not determined.

There is evidence that the material can lead to respiratory hypersensitivity.

Not Sensitising.

**Carcinogenicity:**

Carcinogenicity

NOAEL 300 mg/kg Oral Rat

**Reproductive Toxicity:**

Reproductive Toxicity - Fertility

One-generation study: NOAEL >3000 mg/kg/day Oral Rat P

Reproductive Toxicity - Development

Developmental toxicity: NOAEC >300 ppm Inhalation. Rat

**Specific target organ toxicity - single exposure:**

Target Organs

Central nervous system

**Specific target organ toxicity - repeated exposure:**

STOT - Repeated exposure

NOAEL 1056 mg/kg Oral Rat

**Aspiration hazard:**

Viscosity

Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

Inhalation

No specific health warnings noted.

Ingestion

Harmful: may cause lung damage if swallowed. May cause stomach pain or vomiting.

Skin contact

May cause defatting of the skin, but is not an irritant. Not a skin sensitiser.

Eye contact

No specific health warnings noted.

Route of entry

Skin and/or eye contact. Inhalation.

Target Organs

Central nervous system

## 425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS

### Hydrocarbons, C9, aromatics

#### Acute toxicity:

Acute Toxicity (Oral LD50)

~ 3592 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 3160 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 6193 mg/l (vapours) Rat 4 hours

#### Serious eye damage/irritation:

Slightly Irritating.

#### Respiratory or skin sensitisation:

Not sensitising.

Not Sensitising.

#### Carcinogenicity:

This substance has no evidence of carcinogenic properties.

#### Specific target organ toxicity - single exposure:

Target Organs

Central nervous system Respiratory system, lungs

#### Aspiration hazard:

Viscosity

Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**  
**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

Acute toxicity:

Acute Toxicity (Oral LD50)

4300 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 1700 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

5000 ppmV (gas) Rat 4 hours

Serious eye damage/irritation:

Severe skin irritant; irritation of eyes is assumed. No testing is needed.

Respiratory or skin sensitisation:

Not sensitising.

Not Sensitising.

Carcinogenicity:

This substance has no evidence of carcinogenic properties.

Reproductive Toxicity:

This substance has no evidence of toxicity to reproduction.

Aspiration hazard:

Viscosity

Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

Inhalation

Harmful by inhalation.

Ingestion

Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Harmful in contact with skin.

Eye contact

May cause severe irritation to eyes.

Target Organs

Central nervous system Liver

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**  
**ETHYLBENZENE (CAS: 100-41-4)**

Acute toxicity:

Acute Toxicity (Oral LD50)

3523 mg/kg Rat

Acute Toxicity (Dermal LD50)

12126 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

27000 mg/l (vapours) Rat 4 hours

Serious eye damage/irritation:

Severe skin irritant; irritation of eyes is assumed. No testing is needed.

Respiratory or skin sensitisation:

Not sensitising.

Not Sensitising.

Carcinogenicity:

This substance has no evidence of carcinogenic properties.

Aspiration hazard:

Kinematic viscosity <= 20.5 mm<sup>2</sup>/s.

## 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.

Ecological information on ingredients.

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

Ecotoxicity

The product is not expected to be hazardous to the environment.

**ETHYLBENZENE (CAS: 100-41-4)**

Ecotoxicity

Not regarded as dangerous for the environment.

### **12.1. Toxicity**

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**Ecological information on ingredients.**WHITE SPIRIT**

Dangerous for the environment if discharged into watercourses Toxic to aquatic organisms

LC 50, 96 Hrs, Fish mg/l

10 - 30

EC 50, 48 Hrs, Daphnia, mg/l

10 - 22

IC 50, 72 Hrs, Algae, mg/l

4.6 - 10

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days < 0.28 mg/l Daphnia magna

**Hydrocarbons, C9, aromatics**

Toxic to aquatic organisms

LC 50, 96 Hrs, Fish mg/l

9.2

EC 50, 48 Hrs, Daphnia, mg/l

3.2

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

LC 50, 96 Hrs, Fish mg/l

2.6

EC 50, 48 Hrs, Daphnia, mg/l

3.62

IC 50, 72 Hrs, Algae, mg/l

3.2

**ETHYLBENZENE (CAS: 100-41-4)**

LC 50, 96 Hrs, Fish mg/l

4.2

EC 50, 48 Hrs, Daphnia, mg/l

>2.93

IC 50, 72 Hrs, Algae, mg/l

2.2

Chronic Toxicity - Aquatic Invertebrates

NOEC 21 days 6.8 mg/l Daphnia magna

**12.2. Persistence and degradability**

Degradability

No data available.

Ecological information on ingredients.**WHITE SPIRIT**

Degradability

The product is easily biodegradable.

Biodegradation

Degradation (75%) 28 days

**Hydrocarbons, C9, aromatics**

Degradability

The product is easily biodegradable.

Biodegradation

Degradation (78%) 28 days

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

Degradability

The product is easily biodegradable.

**ETHYLBENZENE (CAS: 100-41-4)**

Degradability

The product is easily biodegradable.

**12.3. Bioaccumulative potential**

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.**WHITE SPIRIT**

Bioaccumulation factor

Scientifically unjustified.

Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

**Hydrocarbons, C9, aromatics**

Bioaccumulative potential

No data available on bioaccumulation.

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

Partition coefficient

log Kow 3.12 - 3.2

**12.4. Mobility in soil**

Mobility:

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

Ecological information on ingredients.**WHITE SPIRIT**

Adsorption/Desorption Coefficient

Scientifically unjustified.

Volatilisation is dependent on Henry's Law constant (HLC) which is not applicable to complex substances.

**Hydrocarbons, C9, aromatics**

Mobility:

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

**12.5. Results of PBT and vPvB assessment**Ecological information on ingredients.**WHITE SPIRIT**

Not Classified as PBT/vPvB by current EU criteria.

**Hydrocarbons, C9, aromatics**

Not Classified as PBT/vPvB by current EU criteria.

**XYLENE, MIXED ISOMERS (CAS: 1330-20-7)**

Not Classified as PBT/vPvB by current EU criteria.

**ETHYLBENZENE (CAS: 100-41-4)**

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

Ecological information on ingredients.**WHITE SPIRIT**

This substance may contribute to ozone formation in the near surface atmosphere. However, the photochemical formation of ozone depends on a complex interaction of other atmospheric pollutant sources and environmental conditions. Therefore, the contribution of this substance to ozone formation is outside the scope of this substance assessment and is more appropriately addressed via EU air quality directives.

**Hydrocarbons, C9, aromatics**

Not determined.

**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**

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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 Solvent Naphtha (Petroleum) and 1, 2, 4-Trimethylbenzene, Class 3, PG III, (38 °C c.c.), MARINE POLLUTANTS
Proper Shipping Name	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
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Tunnel Restriction Code (D/E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION**

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

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

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

**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. 453/2010 Update for CLP labelling.

Issued By	Technical Dept. (P.E.)
Revision Date	11/05/2015
Revision	5
Supersedes date	29/11/2012
SDS No.	10853
Safety Data Sheet Status	Approved.
Date	Date Printed .....
Signature	Initials .....

**425/G149 - CHLORINATED RUBBER TINT MACHINE COLOURS**

## Risk Phrases In Full

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

## Hazard Statements In Full

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.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure if inhaled.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

## 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.