



**SAFETY DATA SHEET**  
**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**

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

**1.1. Product identifier**

Product name 525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK  
Product No. 525/C262/4 & 2

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

Identified uses AS A COATING TO DISCOURAGE FOULANT FORMATION ON BOAT HULLS AND MARINE STRUCTURES

**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;Skin Sens. 1 - H317;STOT SE 3 - H336  
Environment Aquatic Chronic 2 - H411  
Classification (1999/45/EEC) R43. 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**

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



Signal Word Warning  
Hazard Statements

H226 Flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

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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

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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P261	Avoid breathing vapour/spray.
P321	Specific treatment (see medical advice on this label).
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
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.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
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**

Calcium Carbonate	10-30%
CAS-No.: 1317-65-3	EC No.: 215-279-6
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
COPPER (I) OXIDE	18.15 - 18.87% w/w
CAS-No.: 1317-39-1	EC No.: 215-270-7
Classification (EC 1272/2008) Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R22 N;R50/53

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WHITE SPIRIT		10-30%
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.	
Hydrocarbons, C9, aromatics		10-30%
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.	
ROSIN		5-10%
CAS-No.: 8050-09-7	EC No.: 232-475-7	Registration Number: 01-2119480418-32-0032
Classification (EC 1272/2008) Skin Sens. 1 - H317	Classification (67/548/EEC) R43	
Diatomaceous Earth		1-5%
CAS-No.: 61790-53-2	EC No.: 310-127-6	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
C.I. Pigment Blue 15:3		<1%
CAS-No.: 147-14-8	EC No.: 205-685-1	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
Titanium Dioxide		<1%
CAS-No.: 13463-67-7	EC No.: 236-675-5	Registration Number: 01-2119489379-17-xxxx
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	

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ETHANOL		<1%
CAS-No.: 64-17-5	EC No.: 200-578-6	Registration Number: 01-2119457610-43-xxxx

Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
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TOLUENE		<0.1%
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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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 SE 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25
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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.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK****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.

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**

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
C.I. Pigment Blue 15:3	MEL		1.5 mg/m3 resp.dust			
Calcium Carbonate	WEL		10 mg/m3			
Diatomaceous Earth	WEL		1.2 mg/m3			
ETHANOL	WEL	1000 ppm	1920 mg/m3			
Hydrocarbons, C9, aromatics	WEL	19 ppm	100 mg/m3			
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
ROSIN	WEL		0,05 mg/m3		0,15 mg/m3	Sen
Titanium Dioxide	WEL		10 mg/m3			
TOLUENE	WEL	50 ppm	191 mg/m3	100 ppm	384 mg/m3	Sk
WHITE SPIRIT	WEL		350 mg/m3			

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

Sen = Capable of causing occupational asthma.

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK****ROSIN (CAS: 8050-09-7)**

DNEL				
Industry	Dermal	Long Term	25	mg/kg/day
Industry	Inhalation.	Long Term	176.32	mg/kg/day
Consumer	Dermal	Long Term	15	mg/kg/day
Consumer	Inhalation.	Long Term	52.174	mg/kg/day
Consumer	Oral	Long Term	15	mg/kg/day
PNEC				
Freshwater	0.005	mg/l		
Marinewater	0.0005	mg/l		
STP	1000	mg/l		
Sediment (Freshwater)	108	mg/kg		
Sediment (Marinewater)	10.8	mg/kg		
Soil	21.4	mg/kg		

**Titanium Dioxide (CAS: 13463-67-7)**

DNEL				
Industry	Inhalation.	Long Term	Local Effects	10 mg/m3
Consumer	Oral	Long Term	Systemic Effects	700 mg/kg/day
PNEC				
Freshwater	>1	mg/l		
Sediment (Freshwater)	>=1000	mg/kg		
Marinewater	0.127	mg/l		
Sediment (Marinewater)	>=100	mg/kg		
Soil	100	mg/kg		
STP	100	mg/kg		

**Butyl Diglycol Acetate (CAS: 124-17-4)**

DNEL				
Industry	Dermal	Systemic Effects	24	mg/kg/day
Industry	Inhalation.	Systemic Effects	85	mg/m3
Consumer	Dermal	Systemic Effects	12	mg/kg/day
Consumer	Inhalation.	Systemic Effects	43	mg/m3
Consumer	Oral	1.58	mg/kg/day	
PNEC				
Freshwater	0.108	mg/l		
Marinewater	0.0108	mg/l		
Sediment (Freshwater)	0.8	mg/kg		
Sediment (Marinewater)	0.08	mg/kg		

**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

**8.2. Exposure controls**

Protective equipment



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.

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK****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	Coloured liquid.
Colour	Blue. or Black.
Odour	of solvents
Solubility	Insoluble in water
Relative density	1.48 - 1.52 @ 20C
Vapour density (air=1)	heavier than air
Viscosity	4.5 Ps @ 25C
Flash point (°C)	38 C approx. CC (Closed cup).

**9.2. Other information**

Volatile By Vol. (%)	40
Volatile Organic Compound (VOC)	382 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****11.1. Information on toxicological effects****Toxicological information**

No data recorded.



**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**

## 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.**ROSIN (CAS: 8050-09-7)**

Toxic Dose 1 - LD 50

2800 mg/kg (oral rat)

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**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

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**Hydrocarbons, C9, aromaticsAcute toxicity:

Acute Toxicity (Oral LD50)

~ 3592 mg/kg Rat

Acute Toxicity (Dermal LD50)

&gt; 3160 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

&gt; 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: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.

**12.1. Toxicity**

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**Ecological information on ingredients.**ROSIN (CAS: 8050-09-7)**

Acute Toxicity - Fish  
 NOEC 96 hours 1 mg/l Brachydanio rerio (Zebra Fish)  
 Acute Toxicity - Aquatic Invertebrates  
 NOEC 48 hours 10 mg/l Daphnia magna  
 Acute Toxicity - Aquatic Plants  
 NOEC 72 hours 100 mg/l Selenastrum capricornutum

**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

**12.2. Persistence and degradability**

Degradability  
 No data available.

Ecological information on ingredients.**ROSIN (CAS: 8050-09-7)**

Degradability  
 The product is not readily biodegradable.  
 Biodegradation  
 Degradation (64%) 28 days

**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

**12.3. Bioaccumulative potential**

Bioaccumulative potential  
 No data available on bioaccumulation.

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**Ecological information on ingredients.**ROSIN (CAS: 8050-09-7)**

Partition coefficient

log Kow &gt; 6

**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.

**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.

**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**

Do not allow runoff to sewer, waterway or ground.

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK****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.) and Copper (1) Oxide, 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
Tunnel Restriction Code	(D/E)

**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**

**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. 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] This product is approved under thr Control of Pesticides Regulations 1986. Product C262/65 - H.S.E. No. 8394

**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.

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**525/C262 - TROPICAL KILLA ANTIFOULING - BLUE & BLACK**

## Risk Phrases In Full

R10	Flammable.
R22	Harmful if swallowed.
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
R37	Irritating to respiratory system.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R63	Possible risk of harm to the unborn child.
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.
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.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
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.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## 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.