



**SAFETY DATA SHEET**  
**MARINE UNDERCOAT( All colours except white)**

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME                    MARINE UNDERCOAT( All colours except white)  
 PRODUCT NO.                    508/F158/ ALL COLOURS  
 APPLICATION                    Paint  
 SUPPLIER                        TEAL & MACKRILL LIMITED  
                                       LOCKWOOD STREET  
                                       HULL  
                                       HU2 0HN  
                                       +44(0)1482 320194  
                                       +44(0)1482 219266  
                                       info@teamac.co.uk

CONTACT PERSON                as above

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	1-5%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
BENZENE	200-753-7	71-43-2	< 1	F;R11 Carc. Cat. 1;R45 Muta. Cat. 2;R46 T;R48/23/24/25 Xn;R65 Xi;R36/38
CUMENE	202-704-5	98-82-8	< 1	R10 Xn;R65 Xi;R37 N;R51/53
ETHYL METHYL KETOXIME	202-496-6	96-29-7	< 1	Carc3;R40 Xn;R21 R43 Xi;R41
ETHYLBENZENE	202-849-4	100-41-4	< 1	F;R11 Xn;R20
LO White Spirit	265-150-3	64742-48-9	1-5%	Xn;R65. R10,R66.
MESITYLENE	203-604-4	108-67-8	1-5%	R10 Xi;R37 N;R51/53
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.	265-191-7	64742-88-7	10-30%	Xn;R65. N;R51/53. R10,R66.
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

**3 HAZARDS IDENTIFICATION**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION                    R52/53, R66.

**4 FIRST-AID MEASURES**

**GENERAL INFORMATION**

General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.

**INHALATION**

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing

**INGESTION**

DO NOT induce vomiting. Get medical attention immediately. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

**SKIN CONTACT**

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES**

**MARINE UNDERCOAT( All colours except white)****EXTINGUISHING MEDIA**

Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIAL FIRE FIGHTING PROCEDURES**

Be aware of danger for fire to re-start. Cool containers exposed to flames with water until well after the fire is out. Do not allow runoff to sewer, waterway or ground.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

FLAMMABLE. Solvent vapours may form explosive mixtures with air.

**SPECIFIC HAZARDS**

By heating and fire, harmful vapours/gases may be formed.

**PROTECTIVE MEASURES IN FIRE**

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, use naked flames or other sources of ignition. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

**ENVIRONMENTAL PRECAUTIONS**

Avoid discharge into drains, water courses or onto the ground. 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.

**SPILL CLEAN UP METHODS**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Observe workplace exposure limits and minimise the risk of inhalation of vapours and mist. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not eat, drink or smoke when using the product.

**USAGE DESCRIPTION**

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container

**STORAGE PRECAUTIONS**

Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Store separated from: Oxidising material. Alkalies. Acids.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BENZENE	WEL	3 ppm			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m3(Sk)	125 ppm(Sk)	552 mg/m3(Sk)
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)
1,2,4-TRIMETHYLBENZENE	WEL				

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

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

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

**MARINE UNDERCOAT( All colours except white)****HAND PROTECTION**

Use suitable protective gloves if risk of skin contact. 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.

**OTHER PROTECTION**

Wear appropriate clothing to prevent reasonably probable skin contact.

**HYGIENE MEASURES**

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Viscous Coloured liquid		
COLOUR	Various colours		
ODOUR	of solvents		
SOLUBILITY	Insoluble in water		
RELATIVE DENSITY	1.38 - 1.55 dependant on colour	VAPOUR DENSITY (air=1)	heavier than air
	@ 20		
VISCOSITY	4.5 (Rot thinner) Ps @ 25	FLASH POINT (°C)	38 approx. CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	0.8		

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

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

**MATERIALS TO AVOID**

Strong alkalis. Strong acids. Strong oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapour from this chemical can be hazardous when inhaled. Vapour may irritate respiratory system or lungs.

**INGESTION**

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

**SKIN CONTACT**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.

**EYE CONTACT**

May cause temporary eye irritation.

**HEALTH WARNINGS**

This product has low toxicity. Only large volumes may have adverse impact on human health.

**MEDICAL CONSIDERATIONS**

Skin disorders and allergies. Avoid vomiting and normal rinse of stomach because of risk of aspiration.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**BIOACCUMULATION**

The product contains potentially bioaccumulating substances.

**DEGRADABILITY**

The product is not expected to be biodegradable.

**13 DISPOSAL CONSIDERATIONS****GENERAL INFORMATION**

Do not allow to enter drains, sewers or watercourses.

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

**MARINE UNDERCOAT( All colours except white)**

UK ROAD CLASS	3.3		
PROPER SHIPPING NAME	PAINT PRODUCT		
ROAD TRANSPORT NOTES	Avoid releasing to the environment.		
RAIL TRANSPORT NOTES	Avoid releasing to the environment.		
SEA TRANSPORT NOTES	Do not release into the environment.		
UN NO. ROAD	1263	UK ROAD PACK GR.	III
ADR CLASS NO.	1263	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD NO. (ADR)	30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp	UN NO. SEA	1263
IMDG CLASS	3.3	IMDG PACK GR.	III
EMS	3-05	MARINE POLLUTANT	



UN NO. AIR	1263	ICAO CLASS	3.3
AIR PACK GR.	III		

**15 REGULATORY INFORMATION****RISK PHRASES**

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

**SAFETY PHRASES**

S37	Wear suitable gloves.
S56	Dispose of this material and its container to hazardous or special waste collection point.
P14	Contains ETHYL METHYL KETOXIME. May produce an allergic reaction.

**UK REGULATORY REFERENCES**

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988. Health and Safety at Work Act 1974.

**ENVIRONMENTAL LISTING**

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

**EU DIRECTIVES**

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

**STATUTORY INSTRUMENTS**

Chemicals (Hazard Information and Packaging) Regulations. 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.

**GUIDANCE NOTES**

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

**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) The Carriage of Dangerous Goods and use of transportable pressure equipment regulations 2004.

**16 OTHER INFORMATION**

**MARINE UNDERCOAT( All colours except white)**

## REVISION COMMENTS

Major revision (CHIP3) Revisions to sections: (1), (2), (3), (8), (14), (15), and (16) Revision for WEL(Workplace Exposure Limit) section 8.

## ISSUED BY

Technical Dept. (P.E.)

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## SAFETY DATA SHEET STATUS

Approved.

DATE Date printed \_\_\_\_\_

SIGNATURE Initials \_\_\_\_\_

## RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R21	Harmful in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R45	May cause cancer.
R46	May cause heritable genetic damage.
R48/23/24/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

## 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.