



Teamac[®]
Marine & Industrial Coatings

**SAFETY DATA SHEET
TEAMAC THINNERS 17**

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME TEAMAC THINNERS 17
 PRODUCT NO. 600/V607/17
 APPLICATION As a paint thinner/cleaner
 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	10-30%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
MESITYLENE	203-604-4	108-67-8	5-10%	R10 Xi;R37 N;R51/53
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA	265-199-0	64742-95-6	30-60%	Xn;R65.
XYLENE	215-535-7	1330-20-7	5-10%	R10 Xn;R20/21 Xi;R38

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

3 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

CLASSIFICATION Xn;R20, R65. Xi;R36/37/38. N;R51/53. R10.

4 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

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.

5 FIRE-FIGHTING MEASURES

TEAMAC THINNERS 17

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.

SPECIFIC HAZARDS

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

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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.

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.

SPILL CLEAN UP METHODS

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

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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.

STORAGE PRECAUTIONS

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. Alkalies.

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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)
1,2,4-TRIMETHYLBENZENE	WEL				

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

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 workplace exposure limit is not exceeded.

TEAMAC THINNERS 17**RESPIRATORY EQUIPMENT**

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
ODOUR	of solvents		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Immiscible with water		
RELATIVE DENSITY	0.86 @25 C	VAPOUR DENSITY (air=1)	heavier than air
VOLATILE BY VOL. (%)	100	VISCOSITY	<30 seconds 3mm ISO cup s @ 25 C
FLASH POINT (°C)	39 CC (Closed cup).	FLAMMABILITY LIMIT - LOWER(%)	0.8
VOLATILE ORGANIC COMPOUND (VOC)	860 g/litre		

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**TOXICOLOGICAL INFORMATION**

No data recorded.

GENERAL INFORMATION

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

INHALATION

Vapour may irritate respiratory system or lungs. 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. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

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.

TEAMAC THINNERS 17**HEALTH WARNINGS**

Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

ROUTE OF ENTRY

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

MEDICAL CONSIDERATIONS

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

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.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

No data available.

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.

DISPOSAL 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).

14 TRANSPORT INFORMATION

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.
UN NO. SEA	1263	IMDG CLASS	3.3
IMDG PACK GR.	III	MARINE POLLUTANT	

TEAMAC THINNERS 17

UN NO. AIR

1263



AIR CLASS 3.3 AIR PACK GR. III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

1,2,4-TRIMETHYLBENZENE
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA

RISK PHRASES

R10 Flammable.
R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S2 Keep out of the reach of children
S13 Keep away from food, drink and animal feeding stuffs.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S24/25 Avoid contact with skin and eyes.
S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S57 Use appropriate containment to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

GUIDANCE NOTES

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

