



## SAFETY DATA SHEET

### 600/V607 - TEAMAC THINNERS 14

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name 600/V607 - TEAMAC THINNERS 14

Product number 600/V607/14

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

Identified uses Paint. As a paint thinner/cleaner

##### 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

Emergency telephone +44 (0) 1482 320194 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 10695

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards STOT SE 3 - H336 Asp. Tox. 1 - H304

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R65. N;R51/53. R10,R66,R67.

##### 2.2. Label elements

###### Pictogram



Signal word

Danger

## 600/V607 - TEAMAC THINNERS 14

<b>Hazard statements</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P331 Do NOT induce vomiting. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	HYDROCARBONS, C9-C11, <2% AROMATICS
<b>Supplementary precautionary statements</b>	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P403+P233 Store in a well-ventilated place. Keep container tightly closed.

### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>HYDROCARBONS, C9-C11, &lt;2% AROMATICS</b>	<b>60-100%</b>
CAS number: —	EC number: 919-857-5
	REACH registration number: 01-2119463258-33-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	Xn;R65. R10,R66,R67.
STOT SE 3 - H336	
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

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

## 600/V607 - TEAMAC THINNERS 14

**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

**General information** Get medical attention promptly if symptoms occur after washing.

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

**Notes for the doctor** No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable 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.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

## 600/V607 - TEAMAC THINNERS 14

### Usage precautions

Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. 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

#### Storage precautions

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

#### 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)

#### Specific end use(s)

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

#### Usage description

Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### DNEL

Industry - Inhalation; Long term : 330 mg/m<sup>3</sup> (l)  
 Consumer - Dermal; Long term : 26 mg/kg bw/day (l)  
 Industry - Dermal; Long term : 44 mg/kg bw/day (l)  
 Consumer - Inhalation; Long term : 71 mg/m<sup>3</sup> (l)  
 Consumer - Oral; Long term : 26 mg/kg bw/day (l)

#### HYDROCARBONS, C9-C11, <2% AROMATICS

#### DNEL

Consumer - Oral; Long term systemic effects: 300 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 1500 mg/m<sup>3</sup>  
 Industry - Dermal; Long term systemic effects: 300 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 300 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 900 mg/m<sup>3</sup>

#### PNEC

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.

### 8.2. Exposure controls

## 600/V607 - TEAMAC THINNERS 14

### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear chemical splash goggles.

#### Hand protection

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Polyvinyl alcohol (PVA). Thickness:  $\geq 0.2 - 0.3$  mm or Polyethylene. Thickness:  $\geq 0.062$  mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

#### Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

#### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

#### Respiratory protection

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Odour	Organic solvents.
Flash point	38°C Closed cup.
Upper/lower flammability or explosive limits	: 0.8
Vapour density	heavier than air
Relative density	0.77 @ 25°C
Solubility(ies)	Immiscible with water
Viscosity	<30 seconds 3mm ISO cup @ 25°C

#### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 770 g/litre.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

##### Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

##### Stability

Stable at normal ambient temperatures and when used as recommended.

## 600/V607 - TEAMAC THINNERS 14

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known.

### 10.4. Conditions to avoid

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

**Materials to avoid** Oxidising agents and strongly acidic materials.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.

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

**Skin contact** Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

**Eye contact** May cause temporary eye irritation.

**Acute and chronic health hazards** This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

**Route of exposure** Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

**Medical symptoms** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

**Medical considerations** Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

### Toxicological information

1414

### Toxicological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,100.0

**Species** Rat

**ATE oral (mg/kg)** 5,100.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,100.0

**Species** Rabbit

**600/V607 - TEAMAC THINNERS 14**

<b>ATE dermal (mg/kg)</b>	5,100.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)</b>	5,100.0
<b>Species</b>	Rat
<b>ATE inhalation (vapours mg/l)</b>	5,100.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Not irritating.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Not sensitising.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Chromosome aberration: Negative. This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Fertility: - , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<b>Reproductive toxicity - development</b>	Developmental toxicity: - : , Inhalation, Rat This substance has no evidence of toxicity to reproduction.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Kinematic viscosity <= 20.5 mm <sup>2</sup> /s.
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness. Central nervous system depression.
<b>Ingestion</b>	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. May cause allergic contact eczema.
<b>Eye contact</b>	No specific health hazards known.
<b>Route of exposure</b>	Inhalation Dermal

**SECTION 12: Ecological Information****12.1. Toxicity**

## 600/V607 - TEAMAC THINNERS 14

### Acute aquatic toxicity

**Acute toxicity - fish** NOEC, <: 1 mg/l,  
LC<sub>50</sub>, 96 hours: 1 - 10 mg/l, Fish

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 1 - 10 mg/l, Algae

**Acute toxicity - terrestrial** NOEC, <: 1 mg/l,

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, > 96 hours: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)  
Substance did not cause acute toxicity to fish

**Acute toxicity - aquatic invertebrates** Substance did not cause acute toxicity to the freshwater invertebrates  
EC<sub>50</sub>, 48 hours: >1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, > 72 hours: 1000 mg/l, Freshwater algae  
Substance did not cause acute toxicity to the freshwater green algae

**Acute toxicity - microorganisms** EC<sub>50</sub>, >: 100 mg/l, Activated sludge

##### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEC, 28 days: 0.131 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Chronic toxicity - aquatic invertebrates** NOEC, 28 days: 0.23 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

**Persistence and degradability** The product is readily biodegradable.

**Phototransformation** Oxidises rapidly by photo-chemical reactions in air

**Biodegradation** - 80 Degradation (%): 28 days  
Test - 301F Ready Biodegradability - Manometric Respiratory Test

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

**Partition coefficient** log Pow: 5 - 6.7

### 12.4. Mobility in soil

**Mobility** The product contains substances, which are insoluble in water and which may spread on water surfaces.



## 600/V607 - TEAMAC THINNERS 14

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. Readily absorbed into soil.
<b>Adsorption/desorption coefficient</b>	Not available.
<b>Surface tension</b>	24.5 mN/m @ 20°C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

### Ecological information on ingredients.

#### HYDROCARBONS, C9-C11, <2% AROMATICS

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	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

<b>UN No. (ADR/RID)</b>	1263
<b>UN No. (IMDG)</b>	1263

**600/V607 - TEAMAC THINNERS 14**

UN No. (ICAO) 1263

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) PAINT PRODUCT

Proper shipping name (IMDG) PAINT PRODUCT

Proper shipping name (ICAO) PAINT PRODUCT

Proper shipping name (ADN) PAINT PRODUCT

**14.3. Transport hazard class(es)**

ADR/RID class 1263

IMDG class 3

ICAO class/division 3

**Transport labels****14.4. Packing group**

ADR/RID 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 MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**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) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
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 (as amended).

## 600/V607 - TEAMAC THINNERS 14

**Guidance** Workplace Exposure Limits EH40.  
Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision comments</b>	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. 2015/830 Revision to sections 2, 8, 11 & 12 for reclassification of solvents.
<b>Issued by</b>	Technical Dept. (N.O.)
<b>Revision date</b>	23/11/2017
<b>Revision</b>	7
<b>Supersedes date</b>	08/04/2016
<b>SDS number</b>	10695
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R10 Flammable. 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. R67 Vapours may cause drowsiness and dizziness.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness.
<b>Signature</b>	Initials_____

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.