



**SAFETY DATA SHEET**

**Preptone**

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

**1.1. Product identifier**

Product name Preptone  
Product number 27-6

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

Identified uses Cleaning agent.  
Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

**1.3. Details of the supplier of the safety data sheet**

Supplier Autosmart International Ltd  
Lynn Lane,  
Shenstone, nr Lichfield  
Staffordshire. WS14 0DH  
England  
www.autosmartinternational.com  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)  
info@autosmartinternational.com  
  
Contact person Mr. Russell Butler

**1.4. Emergency telephone number**

Emergency telephone Mob: +44 (0) 7808 971321 (24hrs)  
Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

If NHS 111 does not yet cover your area, you can call NHS Direct in England or Wales on 08 45 46 47\* or NHS 24 in Scotland on 0845 24 24 24\* (UK Only) The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

\* Calls to 084 numbers are charged at a higher rate than standard calls on BT's most popular call plan (BT Unlimited Weekend). Mobile and other providers costs will vary and you should check the costs of calls with your provider

**SECTION 2: Hazards identification**

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

**Classification**

**Physical hazards**

Flam. Liq. 3 - H226

**Health hazards**

Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R20/21. Xi;R38. R10.

**Environmental**

Environmental hazard. Keep out of water ways.

### Preptone

#### Physicochemical

Not considered to be a significant hazard due to the small quantities used.

#### 2.2. Label elements

##### Pictogram



##### Signal word

Warning

##### Hazard statements

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H312+H332 Harmful in contact with skin or if inhaled.

##### Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P403+P235 Store in a well-ventilated place. Keep cool.

##### Contains

XYLENE

##### Supplementary precautionary statements

- P233 Keep container tightly closed.
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
- P501 Dispose of contents/container in accordance with national regulations.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>XYLENE</b>	<b>60-100%</b>
<b>CAS number:</b> 1330-20-7 <b>EC number:</b> 215-535-7 <b>REACH registration number:</b> 01-2119488216-32-xxxx	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38
Acute Tox. 4 - H312	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	

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

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

##### Inhalation

Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

##### Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

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### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

### Eye contact

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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

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

#### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

#### Ingestion

May cause stomach pain or vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

#### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

#### Eye contact

Irritation of eyes and mucous membranes. Prolonged contact may cause redness and/or tearing.

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

#### Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

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## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO<sub>2</sub>). Alcohol-resistant foam.

#### Unsuitable extinguishing media

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

The product is flammable. Heating may generate flammable vapours. The product is flammable. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

#### Hazardous combustion products

Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

### 5.3. Advice for firefighters

#### Protective actions during firefighting

Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## SECTION 6: Accidental release measures

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

#### Personal precautions

For personal protection, see Section 8.

### 6.2. Environmental precautions

#### Environmental precautions

Do not discharge into drains or watercourses or onto the ground. 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

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ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. For waste disposal, see Section 13. Avoid the spillage or runoff entering drains, sewers or watercourses. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

#### 6.4. Reference to other sections

##### Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Usage precautions

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. During application and drying, solvent vapours will be emitted. Ground and bond containers when transferring material. Static electricity and formation of sparks must be prevented.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage precautions

Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 25°C.

##### Storage class

Flammable liquid storage.

#### 7.3. Specific end use(s)

##### 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

##### Occupational exposure limits

##### XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m3

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m3

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

##### XYLENE (CAS: 1330-20-7)

<b>DNEL</b>	Industry - Inhalation; Short term : 442 mg/m3 Industry - Inhalation; Long term : 221 mg/kg/day Industry - Dermal; Long term : 3182 mg/m3 Consumer - Inhalation; Short term : 260 mg/m3 Consumer - Inhalation; Long term : 65.3 mg/m3 Consumer - Dermal; : 1872 mg/kg/day Consumer - Oral; Long term : 12.5 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.327 mg/l - Marine water; 0.327 mg/l - Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg - Soil; 2.31 mg/kg - STP; 6.58 mg/l

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

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### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

### Other skin and body protection

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

### Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Organic vapour filter. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Change filters frequently. Consult instructions before use.

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## SECTION 9: Physical and Chemical Properties

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

#### Appearance

Liquid.

#### Colour

Clear liquid. Colourless.

#### Odour

Solvent. Characteristic.

#### Odour threshold

Not available. Not available.

#### Melting point

< - 80°C

#### Initial boiling point and range

~138 - 142°C @ °C @ 760 mm Hg

#### Flash point

~ 24°C CC (Closed cup).

#### Evaporation rate

13.0 (diethyl ether = 1)

#### Upper/lower flammability or explosive limits

: 1.0 ::

#### Vapour pressure

0.93 kPa @ °C

#### Vapour density

3.7 gm/l @ 20°C

#### Relative density

~ 0.860 @ (20°C)°C

#### Solubility(ies)

Immiscible with water. Miscible with the following materials: Organic solvents.

#### Partition coefficient

Not applicable.

#### Auto-ignition temperature

~ 490°C

#### Decomposition Temperature

Not available.

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### Viscosity

0.76 cSt @ (20°C)°C

### Oxidising properties

Not applicable.

### Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

## 9.2. Other information

### Molecular weight

106

### Volatile organic compound

This product contains a maximum VOC content of 860 g/litre.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

Not applicable. Will not polymerise.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

#### Materials to avoid

Strong oxidising agents. Strong acids. Other halogenated organics.

### 10.6. Hazardous decomposition products

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

ATE dermal (mg/kg)

2000.0

#### Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)

1.5

### General information

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

#### Inhalation

Harmful by inhalation. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

#### Ingestion

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

#### Skin contact

Harmful in contact with skin. Irritating to skin. Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. May be absorbed through the skin.

#### Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

#### Route of entry

Inhalation Skin absorption Ingestion. Skin and/or eye contact

#### Target organs

**Preptone**

Blood Central nervous system Eyes Gastro-intestinal tract Kidneys Liver Respiratory system, lungs

**Medical symptoms**

Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting. Symptoms following overexposure may include the following: Unconsciousness, possibly death.

Toxicological information on ingredients.

**XYLENE**

**Other health effects**

There is no evidence that the product can cause cancer.

Acute toxicity - oral

**Acute toxicity oral (LD50 mg/kg)**

4,300

**Species**

Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD50 mg/kg)**

2000.0

**Species**

Rabbit

**ATE dermal (mg/kg)**

2000.0

Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)**

1.5

Germ cell mutagenicity

**Genotoxicity - in vitro**

Not available.

**Genotoxicity - in vivo**

Not available.

Reproductive toxicity

**Reproductive toxicity - development**

Not available.

Specific target organ toxicity - repeated exposure

**Target organs**

Respiratory system, lungs

Aspiration hazard

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

**Target organs**

Kidneys Liver Central nervous system

**SECTION 12: Ecological Information**

**Ecotoxicity**

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

**XYLENE**

**Ecotoxicity**

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

**12.1. Toxicity**

**Acute toxicity - fish**

Not determined.

**Acute toxicity - aquatic invertebrates**

### Preptone

Not determined.

#### Acute toxicity - aquatic plants

Not determined.

#### Acute toxicity - microorganisms

Not determined.

#### Acute toxicity - terrestrial

Not determined.

#### Ecological information on ingredients.

#### XYLENE

##### Acute toxicity - fish

LC50, 96 hours: 4.2 mg/l, Onchorhynchus mykiss (Rainbow trout)

##### Acute toxicity - aquatic invertebrates

EC<sub>10</sub>, 48 hours: > 2.93 mg/l, Daphnia magna

##### Chronic toxicity - fish early life stage

NOEC, : 3.3 mg/l, Menidia peninsulae (Tidewater silverside)

##### Chronic toxicity - aquatic invertebrates

NOEC, : 6.8 mg/l, Daphnia magna

### 12.2. Persistence and degradability

#### Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

#### Ecological information on ingredients.

#### XYLENE

##### Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

### 12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

#### Partition coefficient

Not applicable.

#### Ecological information on ingredients.

#### XYLENE

The product contains potentially bioaccumulating substances.

##### Partition coefficient

log Pow: ~ 3.12

### 12.4. Mobility in soil

#### Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is insoluble in water.

#### Ecological information on ingredients.

#### XYLENE

##### Mobility

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

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

#### Ecological information on ingredients.

#### XYLENE

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

### 12.6. Other adverse effects

Not applicable.

## **SECTION 13: Disposal considerations**



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### 13.1. Waste treatment methods

#### **General information**

Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids. The packaging must be empty (drop-free when inverted).

#### **Disposal methods**

Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging: Reuse or recycle products wherever possible. Containers should be thoroughly emptied before disposal because of the risk of an explosion.

### **SECTION 14: Transport information**

#### 14.1. UN number

UN No. (ADR/RID)	1307
UN No. (IMDG)	1307
UN No. (ICAO)	1307

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	XYLENES
Proper shipping name (IMDG)	XYLENES
Proper shipping name (ICAO)	XYLENES
Proper shipping name (ADN)	XYLENES

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

ADR/RID class	3
ADR/RID subsidiary risk	
ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	
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

No.

#### 14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
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**

### Preptone

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

##### National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

##### EU legislation

Dangerous Preparations Directive 1999/45/EC. 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). 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).

##### Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

##### Water hazard classification

WGK 2

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

##### General information

Only trained personnel should use this material. This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

##### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Issued by** Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain.

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**Revision date** 30/09/2014

**Revision** 5

**Supersedes date** 10/05/2013

**SDS status** Approved.

##### Risk phrases in full

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

##### Hazard statements in full

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

#### 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.