

## SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: **Klentec**  
 Supplier: MMP-International, Division  
 of ITW Ltd.  
 Brunel Close, Park Farm  
 Ind Est,  
 Wellingborough, Northants,  
 NN8 6QX

Emergency telephone number: +44 (0) 1933 670870

Fax No: +44 (0) 1933 670800

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
BUTANE	106-97-8	601-004-00-0	F+; R12	1-10
ACETONE	67-64-1	606-001-00-8	F; R11	1-10
HEPTANE	142-82-5	601-008-00-2	F; R11	1-10
PROPANE	74-98-6	601-003-00-5	F+; R12	10-30

## 3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable.

Specific hazards Irritating to eyes, Irritating to skin slightly.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air, Consult a physician after significant exposure.

Skin contact: Remove immediately adhering matter. Wash off immediately with soap and plenty of water, If skin irritation persists, call a physician.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Call a physician immediately, Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, Carbon Dioxide (CO<sub>2</sub>), dry powder, Water spray.

Specific hazards: In case of fire and/or explosion do not breathe fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breath vapours or spray mist.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Transfer to covered steel drums.

## 7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition.

Storage: Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Product name: Klentec

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

BUTANE	600ppm
ACETONE	500ppm
HEPTANE	500ppm
PROPANE	no data available

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas..

- Respiratory protection: Breathing apparatus with filter.
- Hand protection: gloves 9 (Advice should be sought on the type of gloves) .
- Eye protection: safety glasses.
- Skin and body protection: protective suit.

Hygiene measures:

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: liquid - aerosol      Colour: colourless      Odour: hydrocarbon-like

pH:	g/l H2O)	N/A
Boiling point/range:	55	°C
Flash point:	-40	°C
Melting point/range:	<0	°C
Autoignition temperature:	>230	°C
Flammability (solid, gas):	LEL 0.8 (% vol in air at 25°C), UEL 12.0	
Explosive properties:	None	
Oxidizing properties:	None	
Vapour pressure:	2.75 Bar	

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**10. STABILITY AND REACTIVITY**

Stability:	Stable
Conditions to avoid:	Keep away from heat and sources of ignition.
Materials to avoid:	oxidizing agents, strong acids, strong bases.
Hazardous decomposition products:	Carbon monoxide, Carbon Dioxide (CO <sub>2</sub> ), nitrogen oxides (NOx).

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**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:	Components of the product may be absorbed into the body by inhalation, ingestion and through the skin. Aliphatic Hydrocarbon Solvent Blend: LD50/oral/rat = >5g/kg
Local effects:	May be harmful by inhalation, ingestion, skin adsorption. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Sensitization:	May cause skin irritation and/or dermatitis.
Long term toxicity:	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Repeated or prolonged exposure:	Danger of serious damage to health by prolonged exposure, to the renal / Central nervous system.

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**12. ECOLOGICAL INFORMATION**

Mobility: Do not allow material to contaminate ground water system.

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Persistence / degradability: Aquatic toxicity is unlikely due to low solubility.

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### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Contaminated packaging: Empty containers can be landfilled after cleaning, when in compliance with local regulations.

European waste Catalogue No: 08 04 99

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### 14. TRANSPORT INFORMATION

Proper shipping name: Aerosol

UN-No: 1950

ADR/RID Class: 2

HI/UN No: 1950

IMO Class: 2

Proper shipping name: Aerosol

ICAO Class: 2

UN/ID No: 1950

Proper shipping name: Aerosol

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### 15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: PROPANE, BUTANE, HEPTANE.

- Symbol(s):



F+ -  
Extremely  
flammable



Xi - Irritant

R -phrase(s): R12 - Extremely flammable.. R36/38 - Irritating to eyes and skin..

S -phrase(s): S2 - Keep out of reach of children. S 9 - Keep container in a well-ventilated place.  
S16 - Keep away from sources of ignition - No smoking.. S23 - Do not breathe vapour. S29 - Do not empty into drains. S33 - Take precautionary measures against static discharges.

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### 16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 10/07/2002

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