

# TEMPLEX SAFETY DATA SHEET

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product name: TEMPLETON TEMPLEX  
Intended use : Lubricant  
Manufacturer : Templeton Tools & Machinery Ltd Unit 7, Parkburn Ind.Est.Hamilton

## 2. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	HEALTH (class)	RISK	CONTENTS %
Mineral oil	64742-52-5	none	none	>50
Chlorinated paraffin	85535-84-8	none	50-53	25-50
Synthetic rubber				<1
Surfactants				1-5
Colourant/die				<1
Butane	106-97-8	none	none	10-25
Propane	74-98-6	none	none	10-25

## 3. HAZARDS IDENTIFICATION

Eye contact : Irritating to eyes  
Skin contact : Slight skin irritant. Prolonged or repeated contact can cause dermatitis.  
Inhalation : High levels of vapour may cause drowsiness.  
Ingestion : Accidental ingestion is an unlikely event.

## 4. FIRST AID MEASURES

Eye contact : Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least ten minutes, holding the eyelids apart, and seek medical advice.  
Skin contact : Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do not use solvents or thinners. If in doubt seek medical advice.  
Inhalation : Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position and seek medical advice.  
Ingestion : If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do not induce vomiting.

## 5. FIRE-FIGHTING MEASURES

Extinguishing media : Alcohol resistant foam: CO<sub>2</sub>: powder: water spray/mist. Do not use water –jet.  
Special fire-fighting procedures : Fire exposed containers should be sprayed with water to lessen risk of explosion.  
Unusual fire /explosion hazards : Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. Run off from fire must not enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

Procedures for Leaks or Spillage : Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapour. Refer to protective measures listed in section 7 & 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations –(see section 13). Do not allow to enter drains or water courses.

Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the Local water company should be contacted immediately: in case of contamination of streams, rivers or lakes, the National Rivers Authority.

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#### 7. HANDLING AND STORAGE.

Handling : Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage.

Storage : Store below 50 deg.C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions. Store separately from strong oxidising agents and strongly acidic materials.

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT NAME	OES/MEL	8hr TWA	15min STEL
Mineral oil (mist)	OES	5Mg/M3	10Mg/M3
Butane	OES	600ppm	750ppm

Engineering measures : Provide adequate ventilation to ensure the airborne concentration of substances to which an OES/MEL has been assigned is below that OES/MEL (Occupational Exposure standard/ Maximum Exposure Limit).

Respiratory protection : Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.

Hand protection : When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection : Eye protection designed to protect against liquid splashes should be worn.

Skin protection : Cotton or cotton/ synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical State: Aerosol

Appearance : Blue

Odour : Hydrocarbon

Ph: N/A

Boiling point / boiling range : >250 Deg.C

Melting point/ melting range : <0 Deg.C

Flash point: N/A Deg.C

Flammability: LEL 0.8 (%vol in air @ 25 Deg.C)  
UEL 9.0

Autoflammability : >400 Deg.C

Explosive properties : None

Oxidising properties: None

Can pressure: 2.4 bar.

Relative density: NA

VOC content: 24g/100ml

Solubility-Water: Insoluble

Solubility-Solvent: Soluble in aliphatic hydrocarbons

Other data:

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#### 10. STABILITY AND REACTIVITY.

Stability: stable

Conditions to avoid: Avoid naked flames, red hot surfaces, other high temp. sources that may induce thermal decomposition incompatibility (Materials to avoid): Oxidising agents, strong acids, strong alkalis.

Hazardous decomposition products: In a fire, hazardous products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

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#### 10. TOXICOLOGICAL INFORMATION

Ingredient : ld50(Animal/oral)

Mineral oil 15g/kg(Rat)

There is no data available on the product itself.

Mineral oil when in frequent or prolonged contact with the skin can cause defatting leading to skin disorders such as 'oil acne' and warts or ulcers which may undergo malignant changes. Inhalation of high concentrations of oil mist may produce local irritation of the respiratory tract or systemic effects from absorption into the bloodstream. Ingestion may produce irritation of the mouth, the intestinal tract or systemic effects from absorption into the bloodstream.

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#### 12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

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#### 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act.

Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

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#### 14. TRANSPORT INFORMATION

CCCN 3403 99 10

UN no: 1950

IMDG: 9022

Class: 9

ICAO/IATA:

RID/ADR:

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#### 15. REGULATORY INFORMATION

Risk phrases: None

Safety phrases:

2 Keep out of the reach of children

23 Do not breathe vapour/spray

46 If swallowed seek medical advice immediately and show the container or label

51 Use only in well ventilated areas

Regulatory references: The Chemicals (Hazard Information and Packaging) Regulations 1994

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#### 16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulation. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier.

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16/continued....

Further information and advice can be found in the following publications:

THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 1988:1657  
STORAGE OF PACKAGED DANGEROUS SUBSTANCES, HS(G)71  
THE ENVIRONMENTAL PROTECTION (DUTY OF CARE) REGULATIONS 1992 (SI 1992:2839)  
EH58 "THE CARCINOGENICITY OF MINERAL OILS 1990" (an HMSO publication)

Date of issue of original: 10/4/96

Revision: 1

Revision dated: 16/10/97

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This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. For further information contact the office.

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