

# TurboKlenz

## Material Safety Data Sheet according to 1907/2006/EC, Article 31

### 1 Identification of the Substance/Preparation and Company/Undertaking

**TURBOKLENZ** Gas Turbine Compressor Cleaner.

Solvent Based. Product Code 7502.

Company name: **MINCO UK LTD**

The White House, Mill Road, Goring-on-Thames, Berks RG8 9DD  
United Kingdom

Tel +44 (0)208 133 3916, Fax +44 (0)207 681 2192

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### 2 Hazards Identification

**Labelling per EC Directives:** HARMFUL and DANGEROUS FOR THE ENVIRONMENT

Information concerning particular hazards for human and environment: **R22 Harmful if swallowed.**

**R36/38 Irritating to eyes and skin.**

**R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.**

Classification system: This classification is according to the EU-Lists and extended by company and literature data.

### 3 Composition/Information on Ingredients

Contains amongst other ingredients:

	Range	CAS	EINECS	Class	R-Phrases
Solvent naphtha (petroleum) heavy aromatic.	30-60%	64742-94-2	265-198-5	Xn N	51/53, 65, 66
Ethylene Glycol mono-Butyl ether	5-15%	111-76-2	203-905-0	Xn	20/21/22, 36/38
2 Methyl Pentane-2, 4-diol	5-15%	107-41-5	203-489-0	Xi	36/38
Fatty acid, amine containing, ethoxylated	5-15%	26635-93-8		Xn N	22, 41, 50/53

Alcohol (C10) ethoxylated propoxylated	1-5%	166736-08-9		Xn	22, 41
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### 4 First Aid Measures

**General Advice:** immediately remove contaminated clothing, launder before wearing again.

**Skin Contact:** wash with soap and water. Should irritation persist, seek medical attention.

**Contact with Eyes:** wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical advice.

**Inhalation:** move the exposed person to fresh air at once. If unconscious turn into recovery position. Get medical attention.

**Ingestion:** wash out mouth with water. Give water to drink. Do not induce vomiting. Seek immediate medical attention.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** water spray or mist, dry powder, foam, carbon dioxide.

**Hazardous Combustion Products:** smoke and oxides of carbon.

**Special Protective Equipment:** in case of fire, wear self contained respiratory equipment.

**Further Information:** contaminated extinguishing water must be disposed of in accordance with local regulations.

### 6 Accidental Release Measures

**Personal Precautions:** wear suitable protective clothing.

Repeated exposure can cause skin dryness and cracking.

**Environmental Precautions:** prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand/earth or absorbent granules. Recover either by pumping (use explosion proof pump) or remove physically and dispose according to local regulations.

[Methods of Cleaning](#)



**Small Spills:** absorb onto granules or sand. Remove for disposal.

**Large Spills:** contain with sand, absorbent granules or other means. Collect and remove for disposal. If it has entered drains or water courses inform local authorities.

### 7 Handling and Storage

**Handling:** avoid skin contact. Do not handle near open flame or sources of ignition.

**Storage:** store containers in an upright position in tightly sealed containers. Store in a cool well ventilated place away from incompatible materials. Do not store near open flame, sources of heat or ignition. Avoid handling processes where static charges can be generated. Unopened drums may be stored for up to 3 years, subject to following these storage conditions.

### 8 Exposure Controls/Personal Protection

**Ingredients with limit values that require monitoring at the workplace:** A workplace exposure limit (WEL) of 5mg/m<sup>3</sup> is recommended for the aromatic hydrocarbon ingredients when considered as an oil mist (EH40 United Kingdom)

**Personal Protection Respiratory:** not normally required if ventilation is adequate.

**Hand Protection:** wear chemically resistant Rubber Gloves.

**Eye/face:** use safety glasses/goggles/visor.

### 9 Physical and Chemical Properties

<b>Form</b>	Liquid
<b>Appearance</b>	Clear straw/Gold liquid
<b>Odour</b>	Characteristic hydrocarbon
<b>Initial Boiling Point</b>	>175°C
<b>Auto Ignition Temperature</b>	>200°C





<b>Explosion Limit</b>	Lower=1%, Upper=7%
<b>Evaporation Rate</b>	<1.0 Butyl acetate = 1
<b>Freezing Point</b>	Approx. -5°C
<b>Density (25°C)</b>	0.92 – 0.96 g/cc
<b>Flash Point</b>	>61°C
<b>Solubility</b>	Forms stable aqueous emulsion
<b>PH (25°C)</b>	6.0 – 8.0

## 10 Stability and Reactivity

**Stability:** stable under proper conditions.

**Hazardous Decomposition Products:** incomplete combustion may produce carbon monoxide and other toxic gasses.

**Materials to Avoid:** strong oxidising agents.

**Hazardous Polymerisation:** no.

## 11 Toxicological Information

**Ingestion:** no experimental toxicological information is available for this product.

**Inhalation:** vapour concentrations above recommended exposure levels are irritating to eyes and respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.

**Skin Contact:** frequent and prolonged contact may cause dryness and cracking.

**Eye Contact:** may cause irritation.

## 12 Ecological Information

**Elimination Information:** partition potential and bioconcentration potential are not known for this product.

**Ecotoxicity:** toxicity to aquatic organisms is not known for this material.

**Environmental Degradability:** individual ingredients biodegrade and are readily biodegradable according to OECD guidelines.

WGK-2

## 13 Disposal Considerations

(For disposal - see also Accidental Release Measures Section 6)

**Product:** can be incinerated with domestic refuse in accordance with local regulations.

**Empty Containers:** should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with EC, national and local regulations.

## 14 Transport Information

<b>UN No.</b>	3082	
<b>Road/Rail</b>	ADR/RID	Class 9
<b>Inland Waterway</b>	AND/ADNR	Class 9
<b>Sea Transport</b>	Class 9	Sea Pack Group III Marine Pollutant
<b>Air Transport</b>	ICAO/IATA	Class 9
<b>Conveyance Label</b>	Environmentally Hazardous Substance, Liquid NOS.	

## 15 Regulatory Information

Classification according to EU guidelines



HARMFUL

Xn Harmful



Dangerous for the environment

N Dangerous for the environment

## Risk Phrases

**R22** Harmful if swallowed.

**R36/38** Irritating to eyes and skin.

**R51/53** Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## Safety phrases

**S23:** Do not breathe gas/fumes/vapour/spray.

**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.

**S61** Avoid release to the environment. Refer to special instructions/safety data sheets.

## Other regulations

This product is classified under UK Chemicals (Hazard Information & Packaging) regulations (C.H.I.P) United Kingdom. This product should be considered when making an assessment under UK Control of Substances Hazardous to Health Regulations (C.O.S.H.H.) and amendments, United Kingdom. ISO 9001:2008 QA System. Germany: UBA No. 3925002. Denmark: Arbejdstilsynet PR-nr. 2176115.

## 16 Other Information

The information contained herein is based on the present state of our knowledge but no warranty expressed or implied is made. Recipients of our products must take responsibility for observing existing laws and regulations.

The product is registered with the National Poisons Information Service (NPIS). Emergency information can be obtained from National Poisons Information Service (NPIS), City Hospital, Dudley Road, Birmingham B18 7QH, United Kingdom. Tel: 0121 507 55 88. E-mail: rkealey@npis.org tkealey@npis.org.

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Full product information can be viewed and downloaded from our website at [www.minco.org](http://www.minco.org)

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