



## ZOK 27 SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

THE PREPARATION: ZOK 27 gas turbine compressor cleaning fluid

THE MANUFACTURE: ZOK INTERNATIONAL GROUP LIMITED

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### 2. HAZARD IDENTIFICATION

This product is essentially non-hazardous and does not present any problem in normal application and use so long as close attention is paid to maintaining good standards in industrial hygiene and safe working practice. Contains a component considered harmful to the environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This Product is to be considered as a preparation according to EU legislation.

COMPOSITION: A blend of surfactants, corrosion inhibitors, organic solvents and demineralised water. No component is present at sufficient concentrate to require a classification of "Dangerous for Supply" in accordance with EU legalisation.

Component harmful to the environment oleyl sarcosinate < 2.0% CAS 110-25-8

### 4. FIRST AID

Eyes: Irrigate for 10 minutes with clean, fresh water. Obtain medical attention if any redness develops or persists.

Skin: Avoid skin contact if possible. Wash off with water after prolonged skin contact. Remove and launder contaminated clothing.

Ingestion: Unlikely to cause harm. If mouth is contaminated, wash out thoroughly with water. Do not induce vomiting. Obtain medical attention.

Inhalation: Avoid inhalation. Use in well ventilated areas. If inhalation causes irritation to the nose or the throat remove to fresh air. Obtain medical attention if any symptoms persist.

Medical Advice: Treatment should, in general, be symptomatic and directed to the relieving of any effects. Aspiration of the product is unlikely to occur except as the result of ingestion. If it does occur, transport casualty immediately to hospital.

### 5. FIRE-FIGHTING MEASURES

Use dry powder, CO<sub>2</sub>, alcohol-proof foam, sand, or fine water spray. Flash point is greater than 100°C. Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.

Combustion Products: See Stability and Reactivity, Section 10 of this Safety Data Sheet.

### 6. ACCIDENTAL RELEASE MEASURE

Small Spillages: Should be washed away with water.

Large Spillages: Absorb with sand or earth and collect for disposal.  
Observe national and local regulations.

## 7. HANDLING AND STORAGE

- Handling procedures: Avoid contact with eyes, Goggles should be worn when the product is sprayed. Wear rubber gloves at all times. Wash product off with water after prolonged skin contact.
- Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times.
- Frequent or prolonged contact with the skin could cause de-greasing leading to dry cracking. The use of an emollient cream is recommended after prolonged skin contact.
- Use disposable clothes and discard when soiled. Do not put soiled cloths into pockets.
- Storage Conditions: Store at room temperature between +4°C and +80 °C.  
The product has a shelf life of five years. If frozen, the product is serviceable after thawing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits: Provide ventilation if product is used for extended periods in confined spaces.
- Protective Clothing: If sustained or repeated contact is likely, wear suitable protective clothing and rubber gloves. The use of an emollient cream is recommended after prolonged skin contact. Wash any contaminated skin with soap and water. Contaminated clothing should be removed and laundered.
- Eye Protection: Goggles should be worn if exposed to spray.
- Respiration Protection: Avoid inhalation. Wear a filter mask if ventilation is poor.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Clear, pale straw coloured liquid.  
Odour: Mild, pleasant  
PH: 7.2 - 7.5  
Boiling point: 100°C  
Flash point: >100°C Pensky-Marten Closed Cup  
Flammability: Non flammable  
Relative density: 1.01  
Solubility: Completely soluble in water

## 10. STABILITY AND REACTIVITY

- Conditions To Avoid: Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.
- Materials to Avoid: Avoid contact with strong oxidising or reducing agents.
- Hazardous Decomposition Products: Thermal decomposition with CO<sub>2</sub>.

## 11. TOXICOLOGICAL INFORMATION

- Eyes: Irrigate for 10 minutes with clean fresh water. Goggles should be worn when the product is sprayed.
- Skin: Unlikely to cause harm to the skin on brief or occasional contact. Prolonged skin contact should be avoided if possible. Suitable protective clothing and gloves should be worn. Repeated or prolonged skin contact may lead to de-greasing leading to dry cracking. Not known to cause dermatitis.

Ingestion: Unlikely to cause harm if accidentally swallowed in small dose.

Inhalation: The product should be only used in well ventilated areas. May cause irritation to the nose and throat due to exposure to vapour, mist or fumes.  
May be harmful by inhalation of thermal decomposition products.

## 12. **ECOLOGICAL INFORMATION**

Mobility: May penetrate the soil, as it is biodegradable.

Persistence/  
Degradability: The product is biodegradable.

Bioaccumulative  
Potential: There is no evidence to suggest bioaccumulation will occur. Passes OECD Test 301C for biodegradability.

Sewage Works: Not toxic to sewage organisms at concentrations expected to be found in sewage treatment works.

## 13. **DISPOSAL CONSIDERATIONS**

For disposal of small amounts, see Accidental Release Measures. Section 6. The product is biodegradable. Dispose of product and container carefully and responsibly. Do not dispose of large quantities near ponds, ditches, down drains or onto soil. Dispose via an authorised person/licensed disposal contractor in accordance with national or regional regulations.

## 14. **TRANSPORT INFORMATION**

No restrictions. The product is non-hazardous. Suitable for uplift on passenger aircraft.

IATA/ICAO. Classified as 'non-hazardous' for international transport by sea, 'not restricted' for international transport by air and 'not subject to the provision of ADR'.

UN - Not classified

## 15. **REGULATORY INFORMATION**

Not classified as dangerous for supply. No statutory label is required.

Safety phrases S26, S27

Risk phrases R52/53

It is the responsibility of the user to make his own assessment of workplace risk.

## 16. **OTHER INFORMATION**

The information contained herein is believed to be accurate and is offered in good faith. As the product when used is beyond our control no warranty is given, expressed or implied.

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