

# Sol-X

## Advanced Oil & Gearbox Treatment

REVISED 12<sup>TH</sup> APRIL 2016

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

#### 1.1. Product identifier

**Product Name** Advanced Oil & Gearbox Treatment

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

- Use of the substance/mixture: Friction Modifier
- Use advised against: Do not use in any other application.

#### 1.3 Details of the supplier of the safety data sheet

**Company Address** Central Solutions (GB) Ltd  
Askern Industrial Estate  
Moss Road  
Askern  
South Yorkshire  
DN6 0DD  
Tel. 01302 708895  
Fax. 01302 708895

### SECTION 2: Hazards identification

2.1 Classification of the substance or mixture - CLP: Not Classified

- CHIP: Not hazardous according to current CHIP Regulations

2.2 Label elements - Signal Word: None Required

- Hazard statements None assigned
- Precautionary statements None assigned

2.3 Other hazards - None assigned

### SECTION 3: Composition/information on ingredients

#### 3.1 Mixtures

- Ethyl methyl ketone oxime

CAS Number: 96-29-7

EC Number: 202-496-6

REACH Registration Number: Not Available. Concentration: 45-55%

H Statements: Not Applicable

- C18-20 chlorinated paraffin (chlorination: 20 - 50 %) CAS Number: 063449-39-8

EC Number: 264-150-0

REACH Registration Number: Concentration: 45-55%

H Statements: Not Applicable

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Inhalation

Remove patient from exposure, keep warm and at rest.

- Contact with eyes

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- Contact with skin

Wash off with soap and plenty of water. Remove contaminated clothing. Consult a physician. Wash clothing before reuse. Do not take clothing home to be laundered.

- Ingestion

Wash out mouth with water. Do not induce vomiting. Consult a doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

- No further relevant information available.

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

- If in eyes: Flush with lukewarm water for 15 minutes. Seek medical attention if irritation develops.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Use an extinguishing agent suitable for the surrounding fire. Carbon oxides. Sand.

### 5.2 Special hazards arising from the substance or mixture

- This product may give rise to hazardous fumes in a fire.

### 5.3 Advice for firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece

operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to

European standard EN 469 will provide a basic level of protection for chemical incidents.

- Do not use water Jet

## SECTION 6: Accidental release measures

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

- See Section 8

### 6.2 Environmental Precautions

- Any spillage needs to be contained and not allowed to enter water courses.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up

### 6.4 Reference to other sections

- For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Provide good ventilation.

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

- Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

### 7.3 Specific end use(s)

- See product label for useage and instruction.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- No information available

### 8.2 Exposure controls



- Wear approved safety goggles if splashing is likely.
- Skin protection should be worn if prolonged or repeated exposure is likely.
- Ensure adequate ventilation of the working area.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid, clear
- Odour: Mild
- Freezing point/Range: No information available
- Boiling Point/Range: No Data Available
- Oxidising Properties: Not considered oxidising
- Autoignition Temperature N/A
- Explosive Properties: Considered stable under normal conditions
- S.G.°C :0.886

### 9.2 Other information

- The figures in this section are for guidance only please always use them in conjunction with the technical data sheet

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- Considered stable under normal conditions

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- Can react with alkali metals and alkaline earth metals which have a strong affinity for chlorine. Can react with iron, zinc and aluminium at high temperatures leading to decomposition.

### 10.4 Conditions to avoid

- No special requirements

### 10.5 Incompatible materials

- strong oxidising agents, heat and hot surfaces.

Chlorinated paraffins tend to soften or swell most rubbers.

### 10.6 Hazardous Decomposition Products

- Burning produces obnoxious and irritating fumes.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- C18-20 chlorinated paraffin (chlorination: 20 - 50 %)

Acute oral toxicity Unlikely to be hazardous if swallowed. LD50 (rat, oral) > 11,700 mg/kg bw

LD50 (mouse, oral) > 23,400 mg/kg bw

## SECTION 12: Ecological information

12.1 Toxicity - This environmental hazard assessment is based on information available on similar products. Unlikely to have any ecotoxic or environmentally toxic effect. The substance showed no toxicity to aquatic organisms at the solubility limit. Toxicity to aquatic species:

Fish *Salmo gairdneri* (*Oncorhynchus mykiss*) LC50 (96 hour) : > 770 mg/l LC50 (60 day) : >4 mg/l

*Leuciscus idus* LC50 (48 hour) : >500 mg/l

Bluegill Sunfish (*L. macrochirus*) LC50 (96 hour) : >300 mg/l *Alburnus alburnus* (bleak) 96hr - LC50 = >5000 mg/l invertebrates LC50 (*Daphnia magna*) (48 hour) : >5.1 mg/

12.2 Persistence and degradability - Concentrations in the atmosphere are likely to be very small due to low volatility. This product is expected to be partially biodegradable. There is evidence of partial hydrolysis in water. There is evidence of slow degradation in soil and water

12.3 Bioaccumulation Potential - The product has limited potential for bioaccumulation. The product is not expected to bioaccumulate through food chains in the environment.

12.4 Mobility in soil - Non volatile. The product is poorly absorbed onto soils or sediments

12.5 Results of PBT and vPvB assessment - Does not contain any PBT or PvB substances.

12.6 Other Adverse Effects - None Known

### **SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods - Waste treatment methods Do not discharge into drains or the environment, dispose to an authorised waste collection point.
- Disposal should be in accordance with local, state or national legislation.

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

- 14.1 UN Number - UN No.: Not classified as hazardous for transport
- 14.2 UN Proper Shipping Name- Proper Shipping Name: Not classified as hazardous for transport
- 14.3 Transport hazard class(es)- Hazard Class: Not classified in RID/ADR/IMDG
- 14.4 Packing group - Packing Group: IMDG Packing group N/A, ICAO Packing group N/A
- 14.5 Environmental hazards- Not classified.
- 14.6 Special precautions for user- Not Available
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
- None

### **SECTION 15: Regulatory information**

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

- Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

15.2 Chemical Safety Assessment

- A chemical safety assessment (CSA) for this product has not yet been completed

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

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process