

### MATERIAL SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name SPEC OIL ANTIFREEZE 100%

## 2. COMPOSITION/INFORMATION ON THE COMPONENTS

### Hazardous Components in Product

Component Name	Codes	Concentration	R Phrases	Classification
MONO ETHYLENE GLYCOL		95.00		
CORROSION INHIBITORS		5.00		

## 3. HAZARD IDENTIFICATION

<b>Main Hazards</b>	Hazardous according to OSHA 29 CFR 1910.1200
<b>Health Effects – Eyes</b>	Will cause irritation and damage to the eyes.
<b>Health Effects – Skin</b>	No hazard providing normal cleansing is carried out.
<b>Health Effects – Ingestion</b>	Ingestion can result in vomiting, nausea, abdominal pain, convulsions and kidney failure.
<b>Health Effects – Inhalation</b>	The ingestion of more than 100ml can result in death. High levels of vapour may result in toxic effects.

## 4. FIRST AID MEASURES

<b>First Aid – Eyes</b>	Flush thoroughly with water. If irritation occurs, call a doctor.
<b>First Aid – Skin</b>	Wash skin with soap and water.
<b>First Aid – Ingestion</b>	Give 1 to 2 glasses of water and call a doctor immediately. If advice not available and patient is conscious induce vomiting by sticking finger down throat.
<b>First Aid – Inhalation</b>	Remove from exposure and seek medical assistance.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Use foam, dry chemical, carbon dioxide, foam or water fog.
<b>Unsuitable Extinguishing Media</b>	Water or foam may cause frothing.
<b>Special Hazards of Product</b>	No special hazards.
<b>Protective Equip. for Fire-Fighting</b>	Wear self-contained breathing apparatus for fires in enclosed spaces.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Material can create slippery conditions underfoot.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or watercourses.
<b>Spillages</b>	Contain and absorb using diatomaceous earth or other inert material. Transfer into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	No special precautions are required.
<b>Storage</b>	Storage temperature should be controlled to between 1 and 40°C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Standards OIL MIST, CHEMICAL Engineering Control Measures

OSHA STEL 127mg/m<sup>3</sup>

Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

#### Respiratory Protection Hand Protection

Respiratory protection is required if ventilation is inadequate.

Impervious gloves should be used for prolonged contact with skin and good personal hygiene practices should always be followed.

#### Eye Protection Body Protection

Chemical goggles and face mask if there is a risk of contact.

Normal work wear.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State

Liquid

#### Colour

Fluorescent

#### Odour

None

#### pH

7.0 to 7.3

#### Boiling Range/Point (°C)

Boils above 165°C

#### Flash Point (PMCC) (°C)

Exceeds 110°C

#### Solubility in Water (kg/m<sup>3</sup>)

Soluble

#### Density (kg/m<sup>3</sup>)

1.12 kg per liter

#### Auto-flammability (°C)

Above 200°C

### 10. STABILITY AND REACTIVITY

#### Stability

Stable under normal conditions

#### Conditions to Avoid

Extreme heat

#### Materials to Avoid

Strong oxidizing agents

**Hazardous Decomposition Products** Combustion will generate carbon monoxide

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity

Small quantities ingested, inhaled or absorbed repeatedly over a long period may result in systematic toxic effects.

### 12. ECOLOGICAL INFORMATION

#### Mobility

The product will leach into soil and will dissolve in water.

#### Persistence/Degradability

The product is expected to biodegrade very slowly with time.

### 13. DISPOSAL

#### Product Disposal

Dispose of in accordance with all applicable local and national regulations.

#### Container Disposal

An approved drum recycler can recycle containers.

### 14. TRANSPORT INFORMATION

#### UN Class

9

#### IMO Class

9

#### IMDG Class

Not classified

#### IATA Class

N/A

### 15. REGULATORY INFORMATION

#### Labelling Information

Harmful

#### Government Inventory Status

All components comply with TSCA, EINECS/ELINS, AICS and MITI

#### US Superfund Amendments

This product contains no "Extremely Hazardous Substances"

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## **16. OTHER INFORMATION**

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<b>MSDS First Issued</b>	01 May 2001
<b>MSDS Data Revised</b>	01 May 2019
<b>Product Use</b>	Concentrated antifreeze solution

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To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

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