

## EU - Material Safety Data Sheet (according to 91/155/EWG)

Product Name: SynTemp 2000 Aerosol  
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### 1. Identification of the substance or preparation, company

Product name: SynTemp 2000 Aerosol  
Supplier: TECCEM e.K.  
Froehliche-Mann-Str. 3  
98528 Suhl  
Germany  
Tel.: +49 3681 45 898 0  
Fax: +49 3681 45 898 9

### 2. Composition / Information on ingredients

Chemical identification:  
Synthetic lubricating oil for high temperatures. Based on synthetic Ester and additives

Ingredients:

Synthetic Ester	62 - 65 %	
Isohexane/Naphtha	5 - 7 %	CAS 64742-49-0
Propane	1 - 10 %	CAS 74-98-6
Butane	10 - 20 %	CAS 106-97-8
Isobutane	1 - 10 %	CAS 75-28-5
Additives	< 2%	

### 3. Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Prolonged skin contact may cause skin irritation with discomfort or rash without skin sensitization.

Eye contact may cause eye irritation with discomfort, tearing and/or blurring of vision.

### 4. First Aid

#### Inhalation:

Drowsiness may occur. Move to fresh air in case of accidental inhalation of vapours or decomposition products. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

#### Skin contact:

Wash off with soap and water.

#### Eye contact:

Rinse with plenty of water. If eye irritation consists, consult a physician.

#### Ingestion:

Rinse mouth. Do not induce vomiting. Consult a physician.

### 5. Fire fighting measures

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### Suitable extinguishing media:

Dry foam, CO<sub>2</sub>, universal type foam, water foam.

### Non-suitable extinguishing media:

Do not use a jet of water

### Specific hazards:

Forms explosive air-vapour mixture. Extremely flammable.

### Fire fighting instructions:

Wear self-contained breathing apparatus.

## 6. Accidental release measures

### Personal measurements:

Use appropriate personal protective equipment during clean-up.

### Environmental precautions:

Avoid uncontrolled release of product.

### Methods for cleaning up:

Sweep-up to prevent slipping hazard and use suitable powder, sand or saw dust.

## 7. Handling and storage

### Handling:

Avoid contact with eyes. Avoid contact with skin. Wash thoroughly after handling. Ensure sufficient ventilation.

### Storage:

Keep container tightly closed. Keep away from heat, glowing surfaces and open flames.

## 8. Exposure controls / personal protection

### Hazardous ingredients:

Isohexane/Naphtha	TWA (8 Hrs.)	170 ppm
Propane	TWA (8 Hrs.)	1000 ppm
Butane	TWA (8 Hrs.)	1000 ppm
Isobutane	TWA (8 Hrs.)	1000 ppm

### Engineering controls:

Ensure sufficient ventilation.

### Personal protective equipment:

Eye protection: Safety glasses.

Respiratory: Not required under normal operating conditions

Hand protection: The use of impervious gloves is advised to prevent skin contact and possible irritation for workers with a sensitivity to this product. Suitable materials are Vinyl, Nitril.

Hygiene measures: Wash hands before breaks and immediately after handling the

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product.

### 9. Physical and chemical properties

Form: Aerosol  
Colour: Pale yellow  
Odour: Characteristic odour  
pH: Neutral, 7  
Relative density: 0,79 g/cm<sup>3</sup> at 24°C  
Solubility in water: Negligible  
Flash point: -60°C  
Autoflammability: 510°C  
Flammability limits: Lower: 1,4%      Upper: 32,0%  
Vapour pressure  
at 20°C: 3200 hPa  
VOC: 339 g/l

### 10. Stability and reactivity

#### Chemical stability:

Stable.

#### Situations to avoid:

Sources of ignition. Heat.

#### Materials to avoid:

This product is incompatible with strong acids and bases.

#### Hazardous decomposition products:

Thermal decomposition will result in the release of carbon dioxide and carbon monoxide.

### 11. Toxicological information

Chronic toxicity: Danger of serious damage to health by prolonged exposure through inhalation. Danger of serious damage to health by prolonged exposure in contact with skin  
Sensitization: None  
Carcinogenicity: None  
Mutagenicity: None

### 12. Ecological information

#### Mobility:

Highly volatile. Vapour is heavier than air.

#### Persistence and degradability:

Not biodegradable.

#### Water:

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Harmful to aquatic organisms.

### 13. Disposal considerations

#### Product:

D10: Inclineration on land. Or dispose according to local regulations.

#### Empty containers:

R3: Recycling/reclamation of metals and metal compounds. Or dispose according to local regulations.

#### Waste code number:

150110, 150104.

#### Further information:

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

### 14. Transportation information

#### Land transport ADR / RID:

UN No.: 1950  
ADR Class: 2  
Classification code: 5F  
Shipping name: Compressed Gas Container, Aerosols, Flammable  
Labelling: 2.1

#### Ocean transport IMDG / IMO:

UN No.: 1950  
Class: 2  
EmS: F-E, S-E  
Labelling: 2.1

#### Air transport ICAO / IATA:

UN No.: 1950  
Class: 2.1  
Packing instructions: 203  
Labelling: 2.1

### 15. Regulatory information

#### Hazard symbols:

Extremely flammable.

#### Risk phrases (R):

R12 Extremely flammable.  
R38: Irritating to skin.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.

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R67: Vapours may cause drowsiness and dizziness.

### Safety phrases (S):

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

### Precaution phrases:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of reach of children.

### Saveso II guidelines:

Yes

### Water hazard class:

1

### Classification by VwVwS:

Air emission directive: Class: III Item No.: 5.2.5 Amount m%: 26

### Storage:

Storage classification 2B Limited Quantities.

### AOX:

No.

### Further Information:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. Other information

The information in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of publication. The information given shall provide information for safe handling, use, storage, transport and disposal only. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or process, unless specified in the text. The information in this material safety data sheet is not considered a warranty or quality specification.