

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade Name	Multi-Purpose Grease KH 150 F
Supplier	Air-Tec Emission Reduction Systems GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 (0)9085 – 960 25 80 E-mail: <a href="mailto:info@air-tec-systems.com">info@air-tec-systems.com</a> <a href="http://www.air-tec-systems.com">www.air-tec-systems.com</a>
Responsible Division	Product Safety Tel. +49 9085 – 96011-1
Emergency Telephone	Tel. +49 9085 – 96011-0 (8:30 - 16:30)
Information Centre Specialising in Symptoms of Poisoning	Tel. +44 870 600 6266

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

Use: Lubricant

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification and labelling according to Directive 1272/2008/EC:**  
Eye Irrit. 2 H319 Causes serious eye irritation.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008:** The product is classified and labelled according to the GHS regulation.

Hazard pictograms



GHS07

Signal word(s)      Warning.

#### Hazard statements

H319 Causes serious eye irritation.

#### Precautionary statements

P280 Wear protective gloves / eye protection / face protection.

P262 Do not get in eyes, on skin, or on clothing.

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

#### Additional information

Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

**PBT:**      Not applicable.

**vPvB:**     Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixture

Mixture of the substances listed below with harmless additions.

#### Dangerous components

CAS: 68411-46-1 EINECS: 270-128-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene R52/53 Aquatic Chronic 3, H412	≥ 1 - < 2.5%
CAS: 61789-86-4 EINECS: 263-093-9	Sulfonic acids, petroleum, calcium salts Xi R43 Skin Sens. 1B, H317	≥ 1 - < 10%
CAS: 70024-69-0 EINECS: 274-263-7	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts Xi R43	≥ 1 - < 10%
CAS: 26264-06-2 EINECS: 247-557-8	calcium dodecylbenzenesulphonate Xi R38-41 Eye Dam. 1, H318; Skin Irrit. 2, H315	≥ 1 - < 3%

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### 4.1.1 Inhalation

Supply fresh air.

#### 4.1.2 Skin Contact

Immediately wash with water and soap and rinse thoroughly.

#### 4.1.3 Eye Contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

#### 4.1.4 Ingestion

Seek medical treatment.

### 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

No further relevant information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### 5.1.1 Suitable Extinguishing Media

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

#### 5.1.2 Extinguishing Media to Avoid

Water with a full water jet.

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

Carbonmonoxide (CO) and carbondioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus. Do not inhale explosion gases or combustion gases.

## 6. ACCIDENTAL RELEASE MEASURES

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

Particular danger of slipping on leaked/spilled product.

### 6.2 Environmental precautions

Do not allow product to reach sewage system or water bodies.

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

Collect mechanically. Dispose of the material collected according to regulations.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

No special measures required.

Information about protection against explosions and fires: No special measures required.

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

Requirements to be met by storerooms and containers: Store only in the original container.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: None.  
Recommended storage temperature: room temperature

### 7.3 Specific end use(s)

No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional information about design of technical systems:** No further data; see item 7.

### 8.1 Control parameters

#### Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
<b>68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene</b>		
Dermal	Long-term exposure- systemic effects	0.62 mg/kg (worker)
Inhalative	Long-term exposure- systemic effects	4.37 mg/m <sup>3</sup> (worker)

### 8.2 Exposure controls

#### 8.2.1 Personal protective equipment

**General protective and hygienic measures:** The usual precautionary measures should be adhered to when handling the lubricant.

#### 8.2.2 Individual protection measures

##### Respiratory Protection

Not required.

##### Hand Protection

Protective gloves. Material of gloves: Nitrile rubber, NBR. Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Not suitable are gloves made of the following materials: Leather gloves, strong gloves.

##### Eye Protection

Safety glasses.

##### Skin Protection

Protective work clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Form	Paste
Colour	Yellow-brown
Odour	Mild
Melting point / freezing point (°C)	Not determined.
Flash point (°C)	> 180, base oil
Ignition temperature	Not determined.
Explosive properties	Not determined.
Vapor pressure at 20 °C (hPa)	< 0.0008
Density at 20 °C (g/cm <sup>3</sup> )	0.95-1.05
Solubility in / Miscibility with water	Insoluble.
Viscosity kinematic	Not applicable.

### 9.2 Other information

No further relevant information available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

No further relevant information available.

### 10.6 Hazardous decomposition products

None in case of appropriate storage/handling/transport.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Primary irritant effect

##### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

##### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

##### Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

##### Carcinogenicity

Based on available data, the classification criteria are not met.

##### Reproductive toxicity

Based on available data, the classification criteria are not met.

##### STOT-single exposure

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Aquatic toxicity: No further relevant information available.

**12.2 Persistence and degradability**

No further relevant information available.

**12.3 Bioaccumulative potential**

No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects**

No further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

**European waste catalogue**

It is not possible to state the European waste code from the CE catalogue since the classification of these codes is done according to the individual industries. Therefore, several codes can be related to one product. The correct classification can be done by the user only.

**Uncleaned packagings:** Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATION**

**14.1 UN-Number**

ADR, ADN, IMDG, IATA: Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA: Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA Class: Void

**14.4 Packing group**

ADR, IMDG, IATA: Void

**14.5 Environmental hazards:**

Marine pollutant: No

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

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## 15. REGULATORY INFORMATION

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

**National regulations**

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Product Safety Division

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