

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

Trade Name	Multi-Purpose Grease MoS2
Supplier	Air-Tec Emission Reduction Systems GmbH & Co. KG Speckbrodi 8, D – 86759 Wechingen Tel. +49 (0)9085 – 960-25 80 E-mail: info@air-tec-systems.com www.air-tec-systems.com
Responsible Division	Product Safety Tel. +49 (0)9085 – 960-25 80
Emergency Telephone	Tel. +49 (0)9085 – 960-25 80 (8:30 – 16:30)

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

Lubricants, greases and release agents (fat).

2. HAZARDS IDENTIFICATION

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 [CLP]
None.

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

2.3 Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Base oil with thickener and additives

Hazardous ingredients

DI-TERT-DODECYL POLYSULFIDE ; EC No. : 270-335-7; CAS No. : 68425-15-0
Weight fraction: $\geq 1 - < 10\%$
Classification 1272/2008 [CLP]: Aquatic Chronic 4; H413

Additional information

Full text of H- and EUH-phrases: see section 16.

3.2 Additional information

Highly refined mineral oil (IP 346 DMSO extract < 3%)

4. FIRST AID MEASURES

4.1 Description of first aid measures

GENERAL INFORMATION	Remove contaminated, saturated clothing immediately.
INHALATION	No special measures are necessary. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.
SKIN CONTACT	After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.
EYE CONTACT	Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately.
INGESTION	Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed
None.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Water spray jet, foam, extinguishing powder, carbon dioxide (CO₂) sand.
Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Extinguishing Media to Avoid

Full water jet.

5.3 Special hazards arising from the substance or mixture

5.3.1 Hazardous combustion products

Carbon dioxide (CO₂), nitrogen oxides (NO_x), sulphur dioxide (SO₂), carbon monoxide, aliphatic and aromatic pyrolysis products.

5.4 Advice for firefighters

5.4.1 Special Protective Equipment

Use suitable breathing apparatus.

5.4.2 Additional Information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothes. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13.

6.4 Reference to other sections

None.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

No hazardous reaction when handled and stored according to provisions. (Health hazards: None.) Avoid contact with skin, eyes and clothes.

7.1.1 Protective measures

Measures to prevent aerosol and dust generation

No special measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Requirements for storage rooms and vessels

Dispose according to legislation.

7.2.2 Hints on joint storage

Possibility of hazardous reactions: Oxidizing agents.

Storage class: 10

Storage class (TRGS 510): 10

7.2.3 Further Information on Storage Conditions

Keep/Store only in original container. Notice the directions for use on the label.

Do not store at temperatures below: 0 °C
Recommended storage temperature: 5 °C – 40 °C
Protect against: Protect against direct sunlight. Keep away from heat.
Storage stability: > 6 months (5 °C – 40 °C)

7.3 Specific end use(s)

None.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Danger: Generation/formation of aerosols
Limit value: 10 mg/m³

8.1 Control parameters

None.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

See protective measures under point 7 and 8.

8.2.2 Individual protection measures

GENERAL HEALTH AND SAFETY MEASURES
EYE/FACE PROTECTION
HAND PROTECTION

No special measures are necessary.

Additional eye protection measures: 39 – Wear eye/face protection.

Tested protective gloves must be worn. Breakthrough time (maximum wearing time): 4 hours (NBR Nitrile rubber). Thickness of the glove material: 0.4 mm). See information supplied by the manufacturer.

RESPIRATORY PROTECTION
GENERAL HEALTH AND SAFETY MEASURES

No special measures are necessary.

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. 13 – Keep away from food, drink and animal feeding stuff. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Paste
Odour	Characteristic
Initial boiling point / Boiling range (1013 hPa)	> 250 °C
Melting point/Melting range (1013 hPa)	> 185 °C
Flash point	> 200 °C
Explosion hazard	No explosive hazard.
Density (20 °C)	ca. 0.95 g/cm ³ DIN 51757
Solubility/miscibility in water	Immiscible or difficult to mix.

9.2. Other information

None.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Oxidizing agents, strong.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses. Decomposition temperature: > 240 °C. Thermal decomposition can lead to the escape of irritating gases and vapours. Hazardous decomposition products: carbon monoxide, carbon dioxide, aldehydes, ketone, sulphur oxides, nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Irritant and corrosive effects

Repeated exposure may cause skin dryness or cracking. After eye contact: Irritation to eyes.

Primary irritation to the skin

Practical experience/human evidence

No hazardous reaction when handled and stored according to provisions (health hazards: none known)

Sensitisation

No information available.

12. ECOLOGICAL INFORMATION

Do not allow to enter into surface water or drains.

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional exotoxicological information

None.

13. DISPOSAL CONSIDERATIONS

13.1 Appropriate disposal / Product

ASN 12 01 12: spent waxes and fats.

13.2 Appropriate disposal / Contaminated Packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

13.3 Other disposal recommendations

Dispose according to legislation. Do not allow to enter into surface water or drains.

14. TRANSPORT INFORMATION

- 14.1 UN-Number**
No dangerous goods in the sense of this transport regulation.
- 14.2 UN proper shipping name**
No dangerous goods in the sense of this transport regulation.
- 14.3 Transport hazard class(es)**
No dangerous goods in the sense of this transport regulation.
- 14.4 Packing group**
No dangerous goods in the sense of this transport regulation.
- 14.5 Environmental hazards**
No dangerous goods in the sense of this transport regulation.
- 14.6 Special precautions for user**
None.
- 14.7 Additional information**
No dangerous goods in the sense of this transport regulation.

15. REGULATORY INFORMATION

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

- 15.1.1 EU legislation**
Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP].
- 15.1.2 National legislation**
Water hazard class (WGK)
Class: 1 (Slightly hazardous to water)
Classification according to VwVwS
- 15.1.3 Other regulations, restrictions and prohibition regulations**
Betriebsicherheitsverordnung (BetrSichV)
No flammable liquid according to BetrSichV.

15.2 Chemical safety assessment

No information available.

16. OTHER INFORMATION

- 16.1 Indication of changes**
02. Classification of the substance or mixture – 02. Label elements – 03. Hazardous ingredients
- 16.2 Abbreviations and acronyms**
None.
- 16.3 Key literature references and sources for data**
None.
- 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]**
No information available.
- 16.5 Relevant H- and EUH-phrases (Number and full text)**
H413 May cause long lasting harmful effects to aquatic life.
- 16.6 Training advice**
None.

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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