

Ammann India Private Limited, Block no 157, At Ditasan, P.O: Jagudan, Dist: Mehsana- 382710 , India

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

**1.1 Product identifier**

**AMMANN EXTREME PRESSURE GREASE**

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

**1.2.1 Relevant uses**

Grease

**1.2.2 Uses advised against**

None known.

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

|                       |  |
|-----------------------|--|
| Company               | Ammann India Private Limited, Block No.157, P.O : Jagudan, Mehsana- 382710, India. |
| Technical information | Ganesh.raman@ammann.com  |
| Safety Data Sheet     | <a href="mailto:Ganesh.raman@ammann.com">Ganesh.raman@ammann.com</a>               |

**1.4 Emergency telephone number**

|         |                 |
|---------|-----------------|
| Company | + 91 9687640181 |
|---------|-----------------|

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]**

No classification.

**2.2 Label elements**

|                          |  |
|--------------------------|--|
|                          | The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).  |
| Hazard pictograms        | none   |
| Signal word              | none   |
| Hazard statements        | none   |
| Precautionary statements | none   |
| Special labelling        | EUH210 Safety data sheet available on request.<br>Contains: 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione. EUH208 May produce an allergic reaction. |

**2.3 Other hazards**

none

**SECTION 3: Composition / Information on ingredients**

**3.1 Substances**

not applicable

**3.2 Mixtures**

The product is a mixture.

| Range [%]    | Substance  |
|--------------|--|
| 0,1 - < 0,25 | 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione                         |
|              | CAS: 72676-55-2, EINECS/ELINCS: 276-763-0, Reg-No.: 01-2120119820-64 |
|              | GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 2: H411               |

**Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.  
For full text of H-statements: see SECTION 16.

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#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

|                     |   |
|---------------------|---|
| General information | Take off contaminated clothing and wash before reuse.   |
| Inhalation          | Ensure supply of fresh air.<br>Remove the victim into fresh air and keep him calm.<br>In the event of symptoms seek medical treatment.  |
| Skin contact        | In case of contact with skin wash off immediately with soap and water.<br>Consult a doctor if skin irritation persists.   |
| Eye contact         | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If eye irritation persists: Get medical advice/attention. |
| Ingestion           | Get medical advice.<br>Do not induce vomiting.<br>Rinse out mouth and give plenty of water to drink.  |

##### 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

Treat symptomatically.  
Forward this sheet to the doctor.

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

|   |   |
|---|---|
| Suitable extinguishing media              | Alcohol-resistant foam.<br>Water spray jet.<br>Dry powder.<br>Carbon dioxide. |
| Extinguishing media that must not be used | Full water jet  |

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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>).  
Sulphur oxides (SO<sub>x</sub>).  
Phosphorus oxides (PO<sub>x</sub>).  
Metal oxides.

##### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

#### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
Use personal protective equipment.  
Some risk of slipping due to spillage of product.  
Forms slippery surfaces with water.

##### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Material will burn in fire.  
Do not eat, drink or smoke when using this product.  
Take off contaminated clothing and wash before reuse.  
Wash hands before breaks and after work.  
Use barrier skin cream.

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

Keep only in original container.  
Do not store together with oxidizing agents.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Keep in a cool place. Store in a dry place.  
Protect from heat/overheating and from sun.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

Ingredients with occupational  
exposure limits to be monitored (GB)

not applicable

#### DNEL

| Substance   |
|---|
| 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2                       |
| Industrial, dermal, Long-term - systemic effects: 0.93 mg/kg bw/d (AF=300).         |
| Industrial, inhalative, Long-term - systemic effects: 3.29 mg/m³ (AF=75).           |
| general population, oral, Long-term - systemic effects: 0.17 mg/kg bw/d (AF=600).   |
| general population, inhalative, Long-term - systemic effects: 0.56 mg/m³ (AF=150).  |
| general population, dermal, Long-term - systemic effects: 0.33 mg/kg bw/d (AF=600). |

#### PNEC

| Substance   |
|---|
| 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2 |
| soil, 0.006 mg/kg dw.   |
| sediment (seawater), 0.004 mg/kg dw.                          |
| sediment (freshwater), 0.039 mg/kg dw.                        |
| sewage treatment plants (STP), 0.31 mg/L (AF=10).             |
| seawater, 0 mg/L (AF=10 000).                                 |
| freshwater, 0.003 mg/L (AF=1000).                             |

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## 8.2 Exposure controls

|  |   |
|--|---|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.<br>General exposure limit for oil mist should be noted.<br>Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.                  |
| <b>Eye protection</b>  | Tightly fitting goggles. (EN 166:2001)  |
| <b>Hand protection</b>   | The details concerned are recommendations. Please contact the glove supplier for further information.<br>0,5 mm, Nitrile rubber, >120 min (EN 374-1/-2/-3).   |
| <b>Skin protection</b>   | Oil-resistant protective clothing.  |
| <b>Other</b>   | Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.<br>Avoid contact with eyes and skin.<br>Do not inhale gases/vapours/aerosols. |
| <b>Respiratory protection</b>                                      | Breathing apparatus in the event of aerosol or mist formation.<br>Short term: filter apparatus, filter A. (DIN EN 14387)  |
| <b>Thermal hazards</b>   | not applicable  |
| <b>Delimitation and monitoring of the environmental exposition</b> | Comply with applicable environmental regulations limiting discharge to air, water and soil.   |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| <b>Form</b>   | pasty  |
| <b>Color</b>  | grey   |
| <b>Odor</b>   | characteristic   |
| <b>Odour threshold</b>  | No information available.                                      |
| <b>pH-value</b>   | No information available.                                      |
| <b>pH-value [1%]</b>  | No information available.                                      |
| <b>Boiling point [°C]</b>                                       | No information available.                                      |
| <b>Flash point [°C]</b>   | not applicable   |
| <b>Flammability (solid, gas) [°C]</b>                           | The product is not explosive.<br>The product is not flammable. |
| <b>Lower explosion limit</b>                                    | No information available.                                      |
| <b>Upper explosion limit</b>                                    | No information available.                                      |
| <b>Oxidising properties</b>                                     | no   |
| <b>Vapour pressure/gas pressure [kPa] &lt; 0,001 hPa (20°C)</b> |  |
| <b>Density [g/ml]</b>   | 0,9 (20 °C / 68,0 °F)  |
| <b>Bulk density [kg/m³]</b>                                     | not applicable   |
| <b>Solubility in water</b>                                      | insoluble  |
| <b>Partition coefficient [n-octanol/water]</b>                  | No information available.                                      |
| <b>Viscosity</b>  | No information available.                                      |
| <b>Relative vapour density determined in air</b>                | No information available.                                      |
| <b>Evaporation speed</b>  | No information available.                                      |
| <b>Melting point [°C]</b>                                       | No information available.                                      |
| <b>Autoignition temperature [°C]</b>                            | No information available.                                      |
| <b>Decomposition temperature [°C]</b>                           | No information available.                                      |

### 9.2 Other information

No information available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

See SECTION 10.3.

### 10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product                                |
|--|
| inhalative, No information available.: |
| dermal, No information available.:     |
| oral, No information available.:       |

| Substance   |
|---|
| 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2 |
| LD50, dermal, Rabbit: > 2000 mg/kg.                           |
| LD50, oral, Rat: > 2000 mg/kg.                                |

|   |  |
|---|--|
| <b>Serious eye damage/irritation</b>                      | Based on the available information, the classification criteria are not fulfilled. |
| <b>Skin corrosion/irritation</b>                          | Based on the available information, the classification criteria are not fulfilled. |
| <b>Respiratory or skin sensitisation</b>                  | May produce an allergic reaction.<br>Calculation method                            |
| <b>Specific target organ toxicity — single exposure</b>   | Based on the available information, the classification criteria are not fulfilled. |
| <b>Specific target organ toxicity — repeated exposure</b> | Based on the available information, the classification criteria are not fulfilled. |
| <b>Mutagenicity</b>                                       | Based on the available information, the classification criteria are not fulfilled. |
| <b>Reproduction toxicity</b>                              | Based on the available information, the classification criteria are not fulfilled. |
| <b>Carcinogenicity</b>                                    | Based on the available information, the classification criteria are not fulfilled. |
| <b>Aspiration hazard</b>                                  | Based on the available information, the classification criteria are not fulfilled. |
| <b>General remarks</b>                                    | Toxicological data of complete product are not available.                          |

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## SECTION 12: Ecological information

### 12.1 Toxicity

|   |
|---|
| Substance   |
| 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione, CAS: 72676-55-2 |
| LC50, (96h), Pimephales promelas: > 454 mg/L.                 |
| EC50, (72h), Pseudokirchneriella subcapitata: 20 mg/L.        |
| EC50, (48h), Daphnia magna: 3 mg/L.                           |

### 12.2 Persistence and degradability

|                                       |                           |
|---------------------------------------|---------------------------|
| Behaviour in environment compartments | No information available. |
| Behaviour in sewage plant             | No information available. |
| Biological 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

not applicable

### 12.6 Other adverse effects

Ecological data of complete product are not available.  
The product is insoluble in water.  
No classification on the basis of the calculation procedure of the preparation directive.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

120112\* spent waxes and fats  
070699

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150110\*

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**SECTION 14: Transport information**

**14.1 UN number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2020)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions for people not applicable

- VOC (2010/75/CE) No information available.

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### 16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.  
H317 May cause an allergic skin reaction.

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## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV®/TWA = Threshold limit value – time-weighted average  
TLV®STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

### Modified position

SECTION 3 been added: 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione  
SECTION 2 been added: EUH208 May produce an allergic reaction.  
SECTION 2 been added: EUH210 Safety data sheet available on request.  
SECTION 2 been added: The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).  
SECTION 2 deleted: The product does not require a hazard warning label in accordance with GHS/CLP-directives.  
SECTION 3 been added: For full text of H-statements: see SECTION 16.  
SECTION 3 deleted: No dangerous components.  
SECTION 15 been added: 2, conf. AwSV, 18.04.2017  
SECTION 15 deleted: 1, conf. AwSV, 18.04.2017