

## SYNOX GEAR ATF DCT

Revision date: 04/01/2026

Product code: 21500

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### **1.1. Product identifier**

SYNOX GEAR ATF DCT

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

##### **Use of the substance/mixture**

gear oil

##### **Uses advised against**

No information available.

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

|               |                      |
|---------------|----------------------|
| Company name: | MIDCO Lubes GmbH     |
| Street:       | Bruchkampweg 23      |
| Place:        | D-29227 Celle        |
| Telephone:    | +49 5141 9880-20     |
| E-Mail:       | info@midco-lubes.com |
| Internet:     | www.synox-oil.com    |

**1.4. Emergency telephone number:** Giftinformationszentrum Nord (Göttingen)  
+49 (0)551/19240

### SECTION 2: HAZARDS IDENTIFICATION

#### **2.1. Classification of the substance or mixture**

##### **GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

#### **2.2. Label elements**

##### **GB CLP Regulation**

##### **Special labelling of certain mixtures**

EUH208      Contains 2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole. May produce an allergic reaction.

#### **2.3. Other hazards**

No information available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### **3.2. Mixtures**

##### **Chemical characterization**

Preparation of base oils and additives.

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## Hazardous components

| CAS No     | Chemical name                                                                 |              |                  | Quantity    |
|------------|-------------------------------------------------------------------------------|--------------|------------------|-------------|
|            | EC No                                                                         | Index No     | REACH No         |             |
|            | GHS Classification                                                            |              |                  |             |
|            | methacrylate copolymer                                                        |              |                  | 2,5 - 10 %  |
|            |                                                                               |              |                  |             |
|            | Eye Irrit. 2; H319                                                            |              |                  |             |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified |              |                  | < = 2,5 %   |
|            | 265-158-7                                                                     | 649-468-00-3 | 01-2119487077-29 |             |
|            | Asp. Tox. 1; H304                                                             |              |                  |             |
| 89347-09-1 | 2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole                                   |              |                  | 0 - < = 1 % |
|            | 289-493-3                                                                     |              |                  |             |
|            | Skin Sens. 1; H317                                                            |              |                  |             |

Full text of H and EUH statements: see section 16.

## Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No     | Chemical name                                                                 | Quantity  |
|------------|-----------|-------------------------------------------------------------------------------|-----------|
|            |           | Specific Conc. Limits, M-factors and ATE                                      |           |
| 64742-55-8 | 265-158-7 | Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified | < = 2,5 % |
|            |           | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg                        |           |

## Further Information

This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

## SECTION 4: FIRST AID MEASURES

## 4.1. Description of first aid measures

## General information

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## After inhalation

Remove person to fresh air and keep comfortable for breathing.

In all cases of doubt, or when symptoms persist, seek medical advice.

## After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

In case of skin irritation, consult a physician.

## After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

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**After ingestion**

- Rinse mouth thoroughly with water.
- Let water be drunk in little sips (dilution effect).
- Do NOT induce vomiting.
- In all cases of doubt, or when symptoms persist, seek medical advice.

**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.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media**

- Use water spray jet to protect personnel and to cool endangered containers.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Water spray jet
- Carbon dioxide (CO<sub>2</sub>).
- Extinguishing powder

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire may be liberated:

- Nitrogen oxides (NO<sub>x</sub>)
- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Pyrolysis products, toxic

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Use of protective clothing

In case of fire and/or explosion do not breathe fumes.

**Additional information**

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

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Keep people at a distance and stay on the windward side.

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Special danger of slipping by leaking/spilling product.

**For non-emergency personnel**

Wear protective gloves/protective clothing and eye/face protection.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

Prevent spread over a wide area (e.g. by containment or oil barriers).

**6.3. Methods and material for containment and cleaning up****For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

Remove from the water surface (e.g. skimming, sucking).

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Advice on safe handling**

Avoid formation of oil dust.

Use personal protection equipment.

Do not put any product-impregnated cleaning rags into your trouser pockets.

Clear spills immediately.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

Take precautionary measures against static discharges.

Keep away from sources of ignition - No smoking.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed and in a well-ventilated place.

Keep only in the original container. Store in a cool dry place. (Protect from moisture.)

Floors should be impervious, resistant to liquids and easy to clean.

**Hints on joint storage**

Do not store together with:

- Materials capable of ignition under almost all normal temperature conditions

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- Explosives

**Further information on storage conditions**

Note Regulation on facilities for the storage, filling and handling water-polluting substances.

**7.3. Specific end use(s)**

gear oil

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****DNEL/DMEL values**

| CAS No                   | Substance                                                                     |                |          |                   |
|--------------------------|-------------------------------------------------------------------------------|----------------|----------|-------------------|
| DNEL type                |                                                                               | Exposure route | Effect   | Value             |
| 64742-55-8               | Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified |                |          |                   |
| Consumer DNEL, long-term |                                                                               | inhalation     | local    | 1,19 mg/m³        |
| Consumer DNEL, long-term |                                                                               | oral           | systemic | 0,74 mg/kg bw/day |
| Worker DNEL, long-term   |                                                                               | inhalation     | systemic | 2,73 mg/m³        |
| Worker DNEL, long-term   |                                                                               | inhalation     | local    | 5,58 mg/m³        |
| Worker DNEL, long-term   |                                                                               | dermal         | systemic | 0,97 mg/kg bw/day |

**PNEC values**

| CAS No                    | Substance                                                                     |  |  |
|---------------------------|-------------------------------------------------------------------------------|--|--|
| Environmental compartment | Value                                                                         |  |  |
| 64742-55-8                | Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified |  |  |
| Secondary poisoning       | 9,33 mg/kg                                                                    |  |  |

**Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

**Protective and hygiene measures**

Take off contaminated clothing and wash it before reuse.

Wash hands before breaks and after work.

When using do not eat, drink, smoke, sniff.

**Eye/face protection**

During filling, metering, mixing and sampling must be used:

Wear eye/face protection. EN 166

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### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Recommended glove articles: EN ISO 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough time: > 8h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### Skin protection

Wear suitable protective clothing.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                  |                |
|------------------|----------------|
| Physical state:  | Liquid         |
| Colour:          | brown          |
| Odour:           | characteristic |
| Odour threshold: | not determined |

|           |                |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

#### Test method

### Changes in the physical state

|                               |                |
|-------------------------------|----------------|
| Melting point/freezing point: | not determined |
|-------------------------------|----------------|

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Boiling point or initial boiling point and boiling range: | not determined |
|-----------------------------------------------------------|----------------|

|             |        |          |
|-------------|--------|----------|
| Pour point: | -45 °C | ISO 3016 |
|-------------|--------|----------|

|              |          |              |
|--------------|----------|--------------|
| Flash point: | > 200 °C | DIN ISO 2592 |
|--------------|----------|--------------|

### Flammability

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
|---------------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

### Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

|                         |            |
|-------------------------|------------|
| Lower explosion limits: | 0,6 Vol.-% |
|-------------------------|------------|

|                         |            |
|-------------------------|------------|
| Upper explosion limits: | 6,5 Vol.-% |
|-------------------------|------------|

### Self-ignition temperature

|        |                |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

|                            |                |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

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**Oxidizing properties**

The product is not: oxidising.

Vapour pressure:

not determined

Density (at 15 °C):

0,844 g/cm<sup>3</sup>

DIN 51757

Water solubility:

Immiscible

**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:

not determined

Viscosity / dynamic:

not determined

Viscosity / kinematic: (at 40 °C)

36 mm<sup>2</sup>/s

Relative vapour density:

not determined

Evaporation rate:

not determined

**9.2. Other information**

Solid content:

not determined

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

The formation of combustible vapours is possible at temperatures above: Flash point

**10.4. Conditions to avoid**

Avoid: Thermal decomposition

**10.5. Incompatible materials**

Materials to avoid:

- Oxidising agent, strong

**10.6. Hazardous decomposition products**

Hazardous combustion products:

- Nitrogen oxides (NO<sub>x</sub>)
- Carbon monoxide (CO)
- Carbon dioxide (CO<sub>2</sub>).
- Pyrolysis products, toxic

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## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

| CAS No     | Chemical name                                                                                        |                   |           |                     |                    |
|------------|------------------------------------------------------------------------------------------------------|-------------------|-----------|---------------------|--------------------|
|            | Exposure route                                                                                       | Dose              | Species   | Source              | Method             |
| 64742-55-8 | Destillate (Erdöl), mit Wasserstoff behandelte leichte paraffinhaltige; Basisöl - nicht spezifiziert |                   |           |                     |                    |
|            | oral                                                                                                 | LD50 > 5000 mg/kg | Ratte     | Study report (1982) | OECD Guideline 401 |
|            | dermal                                                                                               | LD50 > 5000 mg/kg | Kaninchen | Study report (1982) | OECD Guideline 402 |

**Irritation and corrosivity**

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

**Sensitising effects**

Contains 2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole. May produce an allergic reaction.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

**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.

**11.2. Information on other hazards****Endocrine disrupting properties**

No information available.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

The product is not: Ecotoxic.

| CAS No     | Chemical name                                                                 |                   |           |                     |                                   |                                         |
|------------|-------------------------------------------------------------------------------|-------------------|-----------|---------------------|-----------------------------------|-----------------------------------------|
|            | Aquatic toxicity                                                              | Dose              | [h]   [d] | Species             | Source                            | Method                                  |
| 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified |                   |           |                     |                                   |                                         |
|            | Acute fish toxicity                                                           | LC50 >100 mg/l    | 96 h      | Pimephales promelas | Study report (1995)               | OECD 203                                |
|            | Fish toxicity                                                                 | NOEC >= 1000 mg/l | 14 d      | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2010) | The aquatic toxicity was estimated by a |



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**12.2. Persistence and degradability**

Not readily biodegradable (according to OECD criteria)

**12.3. Bioaccumulative potential**

Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: TRANSPORT INFORMATION****Land transport (ADR/RID)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

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**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:

No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

**ABSCHNITT 15: RECHTSVORSCHRIFTEN****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 75

Angaben zur SEVESO III-Richtlinie 2012/18/EU:

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Water hazard class (D):

2 - obviously hazardous to water

Skin resorption/Sensitization:

Causes allergic hypersensitivity reactions.

**15.2. Chemical safety assessment**

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

**SECTION 16: OTHER INFORMATION****Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 CLP: Classification, labelling and Packaging  
 REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 ICAO: International Civil Aviation Organization  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### Relevant H and EUH statements (number and full text)

|        |                                                                                         |
|--------|-----------------------------------------------------------------------------------------|
| H304   | May be fatal if swallowed and enters airways.                                           |
| H317   | May cause an allergic skin reaction.                                                    |
| H319   | Causes serious eye irritation.                                                          |
| EUH208 | Contains 2,5-bis(tert-nonyldithio)-1,3,4-thiadiazole. May produce an allergic reaction. |

### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*