

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

### **1.1 Product identifier**

**automatic transmission fluid (ATF)**  
**Article number: 99 90 8971, 10 93 0017, 33 11 1642**

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

#### **1.2.1 Relevant uses**

Lubricant

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

None known.

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

**Company** SWAG Autoteile GmbH  
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42117 Wuppertal / GERMANY  
Phone +49 (0)202 26454-0  
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**Technical information** [info@swag.de](mailto:info@swag.de)  
**Safety Data Sheet** [info@swag.de](mailto:info@swag.de)

### **1.4 Emergency telephone number**

**Advisory body** +49 (0)89-19240 (24h) (English)

## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture [REGULATION (GB) CLP]**

No classification.

### **2.2 Label elements**

The product does not require a hazard warning label in accordance with regulation CLP.  
**Hazard pictograms** none  
**Signal word** none  
**Hazard statements** none  
**Precautionary statements** none

### **2.3 Other hazards**

**Human health dangers** If swallowed or in the event of vomiting, risk of product entering the lungs.  
Frequent persistent contact with the skin can cause skin irritation.  
**Environmental hazards** Contains no ingredients with endocrine-disrupting properties.  
Does not contain any PBT or vPvB substances.  
**Other hazards** No particular hazards known.

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

### **3.1 Substances** **not applicable**

### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
0,1 - <1	N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine EINECS/ELINCS: 930-859-5, Reg-No.: 01-2120763467-44-XXXX GHS/CLP: Skin Corr. 1C: H314 - Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 2: H411, M-Factor (acute): 1
0,1 - <1	Alkyl thiophosphites EINECS/ELINCS: 424-820-7, Reg-No.: 01-0000017126-75-XXXX GHS/CLP: Skin Corr. 1B: H314 - Acute Tox. 4: H312 - Aquatic Chronic 1: H410 - Aquatic Acute 1: H400, M-Factor (acute): 10, M-Factor (chronic): 10

**Comment on component parts** For full text of H-statements: see SECTION 16.  
contains less than 3% w/w DMSO-extract

## 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.

In the event of symptoms seek medical treatment.

**Skin contact** When in contact with the skin, clean with soap and water.

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.

If eye irritation persists: Get medical advice/attention.

**Ingestion** Seek medical advice immediately.

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

### 4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

### 4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.

Forward this sheet to your doctor.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** Fire extinguishing method of surrounding areas must be considered.

Carbon dioxide.

Dry powder.

Foam.

**Extinguishing media that must not be used** Full water jet.

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

Not combusted hydrocarbons.

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## **SECTION 6: Accidental release measures**

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

Some risk of slipping due to spillage of product.  
Forms slippery surfaces with water.  
Ensure adequate ventilation.  
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

### **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.

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

Take up with absorbent material (e.g. general-purpose binder).  
Dispose of absorbed material in accordance with the regulations.

### **6.4 Reference to other sections**

See SECTION 8+13

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid formation of aerosols.  
The product is combustible.  
Do not eat, drink or smoke when using this product.  
Use barrier skin cream.  
Wash hands before breaks and after work.  
Cloths contaminated with product should not be kept in trouser pockets.  
Take off contaminated clothing and wash before reuse.  
Contaminated work clothing should not be allowed out of the workplace.

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

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Do not store together with oxidizing agents.  
Keep container tightly closed.  
Keep container in a well-ventilated place.  
Protect from heat/overheating.

### **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 (UK)**

not relevant

#### **Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)**

not relevant

#### **DNEL**

Substance
Alkyl thiophosphites
Industrial, inhalative, Long-term - systemic effects, 1,76 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 0,5 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 0,43 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 0,25 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,25 mg/kg bw/day
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
Industrial, inhalative, Long-term - systemic effects, 2,93 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 830 µg/kg bw/day
general population, dermal, Long-term - systemic effects, 420 µg/kg bw/day
general population, oral, Long-term - systemic effects, 420 µg/kg bw/day
general population, inhalative, Long-term - systemic effects, 720 µg/m <sup>3</sup>

#### **PNEC**

Substance
Alkyl thiophosphites
freshwater, 900 ng/l
seawater, 90 ng/l
sewage treatment plants (STP), 54 mg/l
sediment (freshwater), 0,073 mg/kg
sediment (seawater), 0,007 mg/kg
soil, 0,015 mg/kg
oral (food), 10 mg/kg
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
freshwater, 790 ng/L
seawater, 79 ng/L
sewage treatment plants (STP), 100 mg/L
sediment (freshwater), 4,5 µg/kg sediment dw
sediment (seawater), 450 ng/kg sediment dw
soil, 2 µg/kg soil dw
oral (food), 16,67 mg/kg food

## 8.2 Exposure controls

### Additional advice on system design

Ensure adequate ventilation on workstation.  
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.  
General exposure limit for oil mist should be noted.

**Eye protection** Safety glasses. (EN 166:2001)

**Hand protection** The details concerned are recommendations. Please contact the glove supplier for further information.  
> 0,4 mm Butyl rubber, >480 min (EN 374-1/-2/-3).

**Skin protection** light protective clothing

**Other** 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.  
Avoid contact with eyes and skin.

**Respiratory protection** Breathing apparatus in the event of aerosol or mist formation.  
In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.  
Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

**Thermal hazards** none

**Delimitation and monitoring of the environmental exposition** 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>Physical state</b>	liquid
<b>Form</b>	liquid
<b>Color</b>	red
<b>Odor</b>	characteristic
<b>Odour threshold</b>	No information available.
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point or initial boiling point and boiling range [°C]</b>	not applicable
<b>Flash point [°C]</b>	220
<b>Flammability</b>	No information available.
<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]</b>	No information available.
<b>Density [g/cm³]</b>	0,85 (15 °C / 59,0 °F)
<b>Relative density</b>	not determined
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	insoluble
<b>Solubility other solvents</b>	No information available.
<b>Partition coefficient n-octanol/water (log value)</b>	No information available.
<b>Kinematic viscosity</b>	No information available.
<b>Relative vapour density</b>	No information available.
<b>Melting point [°C]</b>	No information available.
<b>Auto-ignition temperature [°C]</b>	not applicable
<b>Decomposition temperature [°C]</b>	No information available.
<b>Particle characteristics</b>	not applicable

### 9.2 Other information

none

## **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 dangerous reactions known if used as directed.

### **10.4 Conditions to avoid**

Strong heating.

### **10.5 Incompatible materials**

Strong oxidizing agent.

Strong bases

Strong acids.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute oral toxicity**

Product
ATE-mix, oral, >2000 mg/kg bw

Substance
Alkyl thiophosphites
LD50, oral, Rat, > 2000 mg/kg
NOAEL, oral, Rat, 50 - 150 mg/kg bw/day
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
LD50, oral, Rat, >2000 mg/kg bw, OECD 401

#### **Acute dermal toxicity**

Product
ATE-mix, dermal, >2000 mg/kg bw

Substance
Alkyl thiophosphites
LD50, dermal, Rabbit, > 500 mg/kg
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
LD50, dermal, Rabbit, >2000 mg/kg bw, OECD 402

#### **Acute inhalational toxicity**

Product
ATE-mix, inhalation (vapour), >20 mg/L

**Serious eye damage/irritation** Based on the available information, the classification criteria are not fulfilled.

**Skin corrosion/irritation** Based on the available information, the classification criteria are not fulfilled.

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
dermal, Rabbit, Study, Causes serious eye damage.

**Respiratory or skin sensitisation** Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — single exposure** Based on the available information, the classification criteria are not fulfilled.

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
NOAEL, oral, Rat, 250 mg/kg bw/day, OECD 407, adverse effect observed

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
in vitro, OECD 471, negativ

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

**- Fertility**

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 421, adverse effect observed

**- Development**

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
oral, Rat, 100 mg/kg bw/day, OECD 421, adverse effect observed

**Carcinogenicity**

Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard**

Based on the available information, the classification criteria are not fulfilled.

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

Does not contain a relevant substance that meets the classification criteria.

**11.2.2 Other information**

none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Alkyl thiophosphites
EL50, (48h), Daphnia magna, 0,09 mg/l
EL50, (72h), Selenastrum capricornutum, 0,31 mg/l
LL50, (21d), Daphnia magna, 0,22 mg/l
LL50, (24h), Oncorhynchus mykiss, 2 mg/l
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
LC50, (96h), Fish, 690 mg/L, OECD 203
EC50, (72h), Pseudokirchneriella subcapitata, 790 µg/L, OECD 201
EL50, (48h), Daphnia magna, 4 mg/L, OECD 202

**12.2 Persistence and degradability**

**Behaviour in environment compartments**

No information available.

**Behaviour in sewage plant**

No information available.

**Biological degradability**

No information available.

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
(28d), Activated sewage sludge, OECD 301 B, The product is not readily biodegradable.

**12.3 Bioaccumulative potential**

No information available.

Substance
N,N-bis(2-hydroxyethyl)-3-[(C16-18)alkoxy]-1-propanamine
BCF, 53 L/kg

**12.4 Mobility in soil**

No information available.

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

Based on all available information not to be classified as PBT or vPvB respectively.

## **12.6 Endocrine disrupting properties**

Does not contain a relevant substance that meets the classification criteria.

## **12.7 Other adverse effects**

No classification due to toxicological investigations.

Do not discharge product unmonitored into the environment or into the drainage.

## **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**

In according to RoHS!  
Coordinate disposal with the authorities if necessary.

#### **Waste no. (recommended)**

130205\* mineral-based non-chlorinated engine, gear and lubricating oils

#### **Contaminated packaging**

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

#### **Waste no. (recommended)**

150102  
150104  
150110\* packaging containing residues of or contaminated by hazardous substances

## **SECTION 14: Transport information**

### **14.1 UN number or ID 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

#### **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 Maritime transport in bulk according to IMO instruments**

not applicable

## **SECTION 15: Regulatory information**

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

#### **EEC-REGULATIONS**

2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707

#### **- Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

#### **- Annex XIV (REACH)**

According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances  $\geq 0.1\%$  that are subject to authorisation.

#### **- Annex XVII (REACH)**

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains  $\geq 0.1\%$  of substances with the following restrictions. 75

According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.

#### **TRANSPORT-REGULATIONS**

ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025)

#### **NATIONAL REGULATIONS (UK):**

EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

#### **- Observe employment restrictions for people**

no

#### **- VOC (2010/75/CE)**

No information available.

### **15.2 Chemical safety assessment**

not applicable

## **SECTION 16: Other information**

### **16.1 Hazard statements (SECTION 3)**

H410 Very toxic to aquatic life with long lasting effects.

H312 Harmful in contact with skin.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

## **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  
IVIS = In vitro irritation score  
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**

1.2, 2.2, 3.2, 4.2, 5.2, 7.1, 8.1, 8.2, 9.1, 9.2, 10.3, 10.4, 10.5, 11.1, 11.2, 12.1, 12.2, 12.6, 12.7, 15.1, 16.1, 16.2, 16.3