



### Section 1. Identification of substance/mixture and of the company/undertaking.

#### 1.1 Product identifier:

Trade name: AUTOL BIOKETTOL  
Application/use: With adhesive additive

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

Application of the substance/the preparation: Chain oil  
Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet: Eni Schmiertechnik GmbH  
Paradiesstr. 14, D-97080 Würzburg  
Tel. (+ 49) 931 - 900 98-0 Fax (+ 49) 931-98442

Advising/Support: Technical Department, Tel. (+49) 931 900 98-145  
technik.wuerzburg@agip.de  
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### Section 2. Hazards identification.

#### 2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008: The product is not classified according to the CLP regulation.

Classification according to 67/548/EWG or 1999/45/EC: Not applicable

Information concerning particular hazards for human and environment: No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.

Classification system: The classification is according to the latest editions of the EU lists, and extended by company and literature data.

#### 2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008: Void  
Hazard pictograms: Void  
Signal word: Void  
Hazard statements: Void  
Precautionary statements: P501: Dispose of contents/container in accordance with local regulations

#### 2.3 Other hazards:

##### Results of PBT and vPvB assessment:

PBT: Not applicable  
vPvB: Not applicable

### Section 3. Composition/information on ingredients.

#### 3.2 Mixture:

Description: Mixture  
Dangerous components: On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.

Additional information: The wording of the hazard symbols and H-phrases is specified in Section 16 if dangerous ingredients are mentioned. Components with threshold limit values are mentioned at Section 8.

### Section 4. First aid measures.

#### 4.1 Description of first aid measures:

General information: No special measures required.  
After inhalation: Supply fresh air.  
After skin contact: Immediately wash with water and soap and rinse thoroughly.  
After eye contact: Rinse opened eyes for several minutes under running water.



After swallowing:	Do not induce vomiting, call for medical help immediately.
4.2 Most important symptoms and effects, both acute and delayed:	No further relevant information available.
Information for doctor:	Treat symptomatically.
4.3 Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

### Section 5. Fire fighting measures.

5.1 Extinguishing media:	
Suitable extinguishing media:	Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing media:	Do not use water with full jet.
5.2 Special hazardous arising from the substance or mixture:	Formation of toxic gases is possible during heating or in case of fire. In case of fire the following can be released: Nitrogen oxides (NO <sub>x</sub> ), Carbon monoxide (CO), Sulphur oxide (SO <sub>x</sub> ).
5.3 Advice for fire fighters:	
Protective equipment:	Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.
Additional information:	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### Section 6. Accidental release measures.

6.1 Personal precautions, protective, equipment and emergency procedures:	Particular danger of slipping on leaked/spilled product. Wear protective clothing.
6.2 Environmental precautions:	Prevent from spreading (e. g. by damming-in or oil barriers).
6.3 Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand diatomite, acid binders, universal binders, sawdust).
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 disposal information.

### Section 7. Handling and Storage.

7.1 Precautions for safe handling:	Store in cool, dry place in tightly closed receptacles.
Handling:	When handling product in drums use safety footwear and suitable tools. At work please do not eat, drink or smoke.
Information about protection against fire and explosion:	Fire class DIN EN 2: B
7.2 Conditions for safe storage, including any incompatibilities:	
Storage:	
Requirements to be met by storerooms and receptacles:	Store only in original receptacle.
Information about storage in one common storage facility:	Store away from foodstuffs. Store away from oxidising agents and water.
Further information about storage conditions:	Recommended storage temperature: 5 to 40°C.
Shelf life from date of dispatch:	Maximum 3 years
7.3 Specific end use(s):	For more information see technical information.

### Section 8. Exposure controls/personal protection.

Additional information about design of technical facilities:	No further data, see Section 7.
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### 8.1 Control parameter:

Ingredients with limit values that require monitoring at the workplace:

Additional occupational exposure  
limit values for possible hazards  
during processing:

TLV-TWA oil mist 5 mg/m<sup>3</sup>

Additional information:

The lists valid during the making were used as basis. If formation of steam, mist or aerosols take place the concentration in the air has to be kept at the lowest possible level.

### 8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic  
measures:

The usual precautionary measures are to be adhered to when handling chemicals.  
Avoid close or long term contact with skin.

Respiratory protection:

No respiratory protection is ordinarily required under normal conditions of use. Select a filter suitable for combined particulate/gases and organic vapours (Boiling point > 65°C, EN 14387), if exposure limit is exceeded or when aerosol or mist is formed.

Protection of hands:

Safety gloves of nitrile rubber or Viton. Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves:

Fluorocarbon rubber (Viton), Nitrile rubber; NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Value for the permeation: Level = 6 (480 min.).

Eye protection:

goggles recommended during refilling.

Body protection:

Protective work clothing.

## Section 9. Physical and chemical properties (typical values).

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

General information:

Appearance:

Form:

Fluid

Colour:

Light yellow

Odour:

Characteristic

Odour threshold:

Not determined

ph-Value:

Not determined

Change in condition:

Melting point/range:

Not determined

Boiling point/range:

Undetermined

Drip point:

Not determined

Pourpoint:

< -20°C

Flashpoint:

> 250°C (DIN 51376)

Flammability (solid, gaseous):

Not applicable

Ignition temperature:

Not applicable

Decomposition temperature:

Not determined

Self-igniting:

Product is not self-igniting

Danger of explosion:

The product shows no danger of explosion, but it may build explosive mixtures with air (by vaporisation, oil mist formation, heating above the Flashpoint)

Explosion limits, lower/upper:

Not determined

Vapour pressure:

Not determined

Density at 15°C:

0,92 g/cm<sup>3</sup> (DIN 51757)

Relative Density:

Not determined

Vapour Density:

Not determined

Evaporation rate:

Not determined



Solubility in/Miscibility with water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined
Viscosity, kin. at 40°C:	113 mm <sup>2</sup> /s (DIN 51562)
9.2 Other information:	No further information available

### Section 10. Stability and reactivity.

10.1 Reactivity:	See 10.2 to 10.6.
10.2 Chemical stability:	Stable at normal conditions.
10.3 Possibility of hazardous reactions:	Reacts with strong oxidising agents.
10.4 Conditions to avoid:	No specific data available.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	No dangerous decomposition products known.
Additional information:	Product is not classified as inflammable but can burn.

### Section 11. Toxicological information.

11.1 Information on toxicological effects:	These statements are based on data for components of the material or for similar materials.
Acute toxicity:	
Primary irritant effect:	
On the skin:	No irritant effect
On the eye:	No irritant effect
By inhalation:	No irritant effect expected
Subacute to chronic toxicity:	Prolonged and/or repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.
Additional toxicological information:	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### Section 12. Ecological information.

12.1 Toxicity:	
Aquatic toxicity:	No further relevant information available.
12.2 Persistence and degradability:	The product is biodegradable
12.3 Bioaccumulative potential:	No further relevant information available.
12.4 Mobility in soil:	The product is not soluble in water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Additional ecological information:	
General notes:	Generally not hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5 Results of PBT and vPvB assessment:	
PBT:	Not applicable
vPvB:	Not applicable
12.6 Other adverse effects:	No further relevant information available.

### Section 13. Disposal considerations.

<b>Waste treatment methods:</b>	
<b>Recommendation:</b>	<b>Must not be disposed together with household garbage. Do not allow product to reach sewage system.</b>
European waste catalogue:	13 02 07* readily biodegradable machine, gear and lubrication oils



Uncleaned packaging: Empty packing completely. Handover to authorized disposal company.  
Recommendation: Disposal must be made according to official regulations. Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning.

### Section 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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code UN "Model Regulation": Not applicable

### Section 15. Regulatory information.

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

Water hazardous class: Generally not hazardous for water.

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

### 16. Other information.

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.  
The informations in this sheet are according to our best knowledge at the date of printing.

Changes: 1 - 16