

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 06.04.2020 Supersedes edition of: 14.12.2017

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

1.1 Product identifier

Product name: Autodur

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

Identified uses: Wiping care

1.3 Details of the supplier of the safety data sheet

Company: Otto Oehme GmbH
Industriestraße 20
D-90584 Allersberg Deutschland
Tel. +49 9176 98050
info@oehme-lorito.de

1.4 Emergency telephone number

GIZ Nord Poisons Centre, Göttingen Tel. +49 (0) 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1, H318

Full text of hazard statements: See under section 16.

2.2 Label elements

Labelling (Regulation (EC) No. 1272/2008)

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H318 Causes serious eye damage.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

Contains: Alcohols, C10-12, ethoxylated propoxylated.

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2.3 Other hazards

Not known.

SECTION 3: Composition / information on ingredients

Solution in water.

Hazardous components (Regulation (EC) No. 1272/2008)

Chemical name	Content
CAS-No. EC-No. EC-Index-No. Classification according to EC-Regulation	
Ethanol	< 10 %
64-17-5 200-578-6 603-002-00-5 Flam. Liq. 2, H225 Eye Irrit. 2, H319	
REACH Registration Number: 01-2119457610-43	
Ethyl methyl ketone	< 0.1 %
78-93-3 201-159-0 606-002-00-3 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
REACH Registration Number: 01-2119457290-43	
Alcohols, C10-12, ethoxylated propoxylated (*)	< 10 %
68154-97-2 Skin Irrit. 2, H315 Eye Dam. 1, H318	

Full text of hazard statements: See under section 16.

(*) A registration number is not available for this substance as the substance or its use is exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Fresh air. Call in physician if feeling unwell.

After skin contact: Wash off with plenty of water. Remove contaminated clothing. Consult a physician if skin irritations occur.

After eye contact: Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist immediately.

After swallowing: Make victim drink plenty of water (two glasses at most), avoid vomiting. Call in physician.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects, respiratory paralysis, dermatitis, narcosis, inebriation, euphoria, nausea, vomiting. Drying-out effect resulting in rough and chapped skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide, foam, dry powder.

Unsuitable extinguishing media

For this substance / mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Contains combustible material. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at ambient temperatures. Pay attention to flashback. Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for firefighters

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Further information

Prevent fire-fighting water from entering surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Caution: Risk of slipping.

Do not inhale vapours/aerosols. Avoid substance contact. Use personal protective equipment as required. Ensure supply of fresh air in enclosed rooms. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

Do not get undiluted into sewerage system. Risk of explosion.

6.3 Methods and material for containment and cleaning up

Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.

6.4 Reference to other sections

Indications about waste treatment see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Notes for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapours/aerosols. Avoid generation of vapours/aerosols.

Notes for prevention of fire and explosion

Keep away from heat and sources of ignition. Take precautionary measures against static

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discharge. Vapours heavier than air. Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

Store cool above 5 °C. Keep away from sun and heat.
 Tightly closed in a well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ethanol

EH40 WEL

Name	Ethanol
Time weighted average (TWA)	1000 ppm 1920 mg/m ³

Ethyl methyl ketone

ECLTV

Name	Butan-2-one
Limit value 8 hours	200 ppm 600 mg/m ³

Short term (< 15 min.)	300 ppm 900 mg/m ³
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EH40 WEL

Name	Butan-2-one
Short term exposure limit (STEL)	300 ppm 899 mg/m ³

Time weighted average (TWA)	200 ppm 600 mg/m ³
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Skin designation	Can be absorbed through the skin.
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8.2 Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye / face protection:

Eye protection (EN 166).

Hand protection:

Material: Nitrile rubber.

Thickness: 0.381 mm

Breakthrough time: > 480 min

The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374, e.g. Franz Mensch Nitril Professional.

This recommendation applies only to the product stated in the safety data sheet supplied by us and

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for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

Respiratory protection:

Required when vapours/aerosols are generated. Filter A2 P2 (EN 14387).

Hygiene measures

Change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	liquid
Colour:	green
Odour:	perfumed
pH value	~ 8 - 9
Melting point	not specified
Boiling point	not specified
Ignition temperature	not applicable
Flash point	not applicable
Explosion limits	lower >1.3 % (Ethanol)
	upper 15 % (Ethanol)
Density (23 °C)	~ 1 g/cm ³
Viscosity, dynamic	not specified
Solubility in water	soluble

9.2 Other information

None.

SECTION 10: Stability and reactivity**10.1 Reactivity**

Vapours may form explosive mixtures with air.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Risk of explosion/exothermic reaction with:

Hydrogen peroxide, perchlorates, perchloric acid, nitric acid, mercury(II) nitrate, permanganic acid, nitriles, peroxy compounds, strong oxidizing agents, nitrosyl compounds, peroxides, sodium, potassium, halogen oxides, calcium hypochlorite, nitrogen dioxide, metallic oxides, uranium hexafluoride, iodides, chlorine, alkali metals, alkaline earth metals, alkali oxides, ethylene oxide potassium permanganate, sulfuric acid.

Risk of ignition or formation of inflammable gases or vapours with:

Halogen-halogen compounds, chromium(VI) oxide, chromyl chloride, fluorine, hydrides, oxides of phosphorus, platinum.

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10.4 Conditions to avoid

Warming.

10.5 Incompatible materials

Rubber, various plastics, strong acids, oxidizing agents.

10.6 Hazardous decomposition products

See section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀ rat: 10470 mg/kg (OECD 401; Ethanol)

Symptoms: Nausea, vomiting.

LD₅₀ rat: > 2000 mg/kg (OECD 401; Alcohols, C10-12, ethoxylated propoxylated)

Acute dermal toxicity

LD₅₀ rat: > 2000 mg/kg (external MSDS; Ethanol)

Symptoms: Dermatitis, drying-out effect resulting in rough and chapped skin.

Acute inhalation toxicity

LC₅₀ rat: 124.7 mg/l /4 h vapour (OECD 403; Ethanol)

Symptoms: Slight mucosal irritations, absorption.

Skin irritation

Rabbit: No irritation (OECD 404; Ethanol).

Rabbit: Irritation (OECD 404; Alcohols, C10-12, ethoxylated propoxylated).

Eye irritation

Rabbit: Eye irritation (OECD 405; Ethanol).

Causes serious eye irritation.

Rabbit: Causes serious eye irritation (OECD 405; Alcohols, C10-12, ethoxylated propoxylated).

Causes serious eye damage.

Sensitisation

Sensitisation test (Magnusson and Kligman): Negative (IUCLID; Ethanol).

Genotoxicity in vitro

Ames test: Salmonella typhimurium: Negative (National Toxicology Program; Ethanol).

Mutagenicity (mammal cell test): Mouse lymphoma test: Negative (OECD 476; Ethanol).

Ames test: Salmonella typhimurium: Negative (OECD 471; Alcohols, C10-12, ethoxylated propoxylated).

Specific target organ toxicity – single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity – repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

No aspiration toxicity classification.

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11.2 Further information

Systemic effects: Euphoria.

After absorption of large quantities: Dizziness, inebriation, narcosis, respiratory paralysis.

Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Leuciscus idus LC₅₀: 8140 mg/l /48 h (IUCLID; Ethanol)

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna: EC₅₀: 9268-14221 mg/l /48 h (IUCLID; Ethanol)

Entosiphon sulcatum: EC₅: 65 mg/l /72 h (maximum permissible toxic concentration; external MSDS; Ethanol)

Daphnia magna : EC₅₀ : > 1 – 10 mg/l /48 h (OECD 202 ; Alcohols, C10-12, ethoxylated propoxylated)

Toxicity to algae

Scenedesmus quadricauda: IC₅: 5000 mg/l / 7 d (maximum permissible toxic concentration; external MSDS; Ethanol)

Desmodesmus subspicatus : EC₁₀ : > 1 – 10 mg/l /72 h (OECD 201 ; Alcohols, C10-12, ethoxylated propoxylated)

Desmodesmus subspicatus : EC₅₀ : > 1 – 10 mg/l /72 h (OECD 201 ; Alcohols, C10-12, ethoxylated propoxylated)

Toxicity to bacteria

Pseudomonas putida EC₅: 6500 mg/l /16 h (maximum permissible toxic concentration; IUCLID; Ethanol)

Pseudomonas putida EC₅₀ : > 950 mg/l /17 h (ISO 10712 ; Alcohols, C10-12, ethoxylated propoxylated)

12.2 Persistence and degradability

Biodegradability

The surfactants contained in this preparation complies with the Biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the member states and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Biodegradation: 94 % (OECD 301E; Ethanol)

Readily biodegradable (Ethanol)

Biodegradation: > 60 % /28 d (OECD 301B; Alcohols, C10-12, ethoxylated propoxylated)

Readily biodegradable (Alcohols, C10-12, ethoxylated propoxylated)

Biochemical oxygen demand (BOD)

930-1670 mg/g /5 d (external MSDS; Ethanol)

Theoretical oxygen demand (ThOD)

2100 mg/g (external MSDS; Ethanol)

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Ratio COD / ThBOD

90 % (external MSDS; Ethanol)

12.3 Bioaccumulative potential

Partition coefficient: n-octanol / water: log P_{ow}: -0.31 (external MSDS; Ethanol).

No bioaccumulation is to be expected (Ethanol).

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects

Additional ecological information:

Do not allow to enter waters, waste water, or soil!

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product:

Chemicals must be disposed of in compliance with the respective national regulations.

Code of the waste

200129*

070601*

Name according to directive 2000/532/EC:

detergents containing dangerous substances.

aqueous washing liquids and mother liquors.

Packaging:

Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture**

EU regulations

Ingredients according to Regulation (EC) on detergents No. 648/2004:

Non-ionic surfactants: Less than 5 %

Perfumes. Citral, Hexyl Cinnamal, Limonene.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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SECTION 16: Other information

Reason for alteration:

SECTION 2: Hazards identification
SECTION 3: Composition / information on ingredients
SECTION 4: First aid measures
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SECTION 8: Exposure controls/personal protection
Exposure controls
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 13: Disposal considerations
SECTION 15: Regulatory information
SECTION 16: Other information

Full text of hazard statements referred to under sections 2 and 3:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.