

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 21.11.2024

Version number 11 (replaces version 10)

Revision: 21.11.2024

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

1.1 Product identifier

Trade name: **Upholstery Cleaner**

Article number: 87851

UFI: 1TA2-D02Q-2000-S4MU

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

No further relevant information available.

Application of the substance / the mixture

Cleaning material/ Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
 Lechstrasse 28
 D 90451 Nürnberg

Tel. +49(0)911-642960
 Fax. +49(0)911-644456
 e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
 Tel. +49(0)911-64296-59
 Reachable during the following office hours:
 Monday – Thursday from 07:30 a.m. to 16:30 p.m.
 Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labelling:

Not applicable.

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.
 P280 Wear protective gloves / eye 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.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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· Determination of endocrine-disrupting properties

For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**· Description:

Mixture: consisting of the following components.

· Dangerous components:

	cationic surfactants Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	<10%
CAS: 157627-86-6 EC number: 935-523-1 Reg.nr.: 02-2119548515-35-0000	Alcohols, C13-C15 branched and linear, ethoxylated Eye Dam. 1, H318 Acute Tox. 4, H302 Aquatic Chronic 3, H412	1-5%
CAS: 7320-34-5 EINECS: 230-785-7 Reg.nr.: 01-2119489369-18-xxxx	tetrapotassium pyrophosphate Eye Irrit. 2, H319	1-5%

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons

≥5 - <15%

non-ionic surfactants, cationic surfactants, phosphates

<5%

perfumes

optical brighteners

· Additional information:

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**· General information:

Immediately remove any clothing soiled by the product.

· After inhalation:

Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Rinse with warm water.

· After eye contact:

If skin irritation continues, consult a doctor.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Dizziness

Nausea

Profuse sweating

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**· Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

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- **5.2 Special hazards arising from the substance or mixture**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.3 Advice for firefighters**
In case of fire, the following can be released:
Carbon monoxide (CO)
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **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**
No special measures required.
- **Information about fire - and explosion protection:**
No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Not required.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Protect from frost.
- **Storage class:**
10
- **7.3 Specific end use(s)**
No further relevant information available.

SECTION 8: Exposure controls/personal protection· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:

34590-94-8 Dipropylene glycol monomethyl ether

IOELV	Long-term value: 308 mg/m ³ , 50 ppm
	Skin

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· DNELs

34590-94-8 Dipropylene glycol monomethyl ether

Oral	DNEL (Langzeit-wiederholt)	36 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	283 mg/kg bw/day (ARB)
		121 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	308 mg/m ³ Air (ARB)
		37.2 mg/m ³ Air (BEV)

51981-21-6 N,N-bis(carboxylatomethyl)-L-glutamat Tetranatriumsalz

Oral	DNEL (Langzeit-wiederholt)	1.5 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	15,000 mg/kg bw/day (ARB)
		7,500 mg/kg bw/day (BEV)
Inhalative	DNEL (Langzeit-wiederholt)	7.3 mg/m ³ Air (ARB)
		1.8 mg/m ³ Air (BEV)

7320-34-5 tetrapotassium pyrophosphate

Inhalative	DNEL (Langzeit-wiederholt)	2.79 mg/m ³ Air (ARB)
		0.68 mg/m ³ Air (BEV)

· PNECs

34590-94-8 Dipropylene glycol monomethyl ether

PNEC (wässrig)	4,168 mg/l (KA)
	1.9 mg/l (MW)
	19 mg/l (SW)
	190 mg/l (WAS)
PNEC (fest)	2.74 mg/kg Trockengew (BO)
	7.02 mg/kg Trockengew (MWS)
	70.2 mg/kg Trockengew (SWS)

7320-34-5 tetrapotassium pyrophosphate

PNEC (wässrig)	0.005 mg/l (MW)
	0.05 mg/l (SW)

· Additional information: The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Keep away from foodstuffs, beverages and feed.

- Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

- Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.

This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In

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case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: <http://www.kcl.de>).

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

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 can not be calculated in advance and has therefore to be checked prior to the application.

Neoprene gloves
Nitrile rubber, NBR
PVC gloves

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:

Neoprene gloves
Nitrile rubber, NBR

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

· Not suitable are gloves made of the following materials:

Strong material gloves
Leather gloves

· Eye/face protection

Tightly sealed goggles

· Body protection:

Protective work clothing

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

· <u>Colour:</u>	Green
· <u>Odour:</u>	Sweetish
· <u>Odour threshold:</u>	Not determined.
· <u>Melting point/freezing point:</u>	Undetermined.
· <u>Boiling point or initial boiling point and boiling range</u>	184 °C
· <u>Flammability</u>	Not applicable.
· <u>Lower and upper explosion limit</u>	
· <u>Lower:</u>	1.1 Vol %
· <u>Upper:</u>	14 Vol %
· <u>Flash point:</u>	75 °C (34590-94-8 Dipropylene glycol monomethyl ether)
· <u>Auto-ignition temperature:</u>	270 °C
· <u>Decomposition temperature:</u>	Not determined.
· <u>pH at 20 °C</u>	10.5
· <u>Viscosity:</u>	
· <u>Kinematic viscosity at 20 °C</u>	0 s (DIN 53211/4)
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.

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· <u>Partition coefficient n-octanol/water (log value)</u>	Not determined.
· <u>Vapour pressure:</u>	Not determined.
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	1.06 g/cm ³
· <u>Relative density</u>	Not determined.
· <u>Vapour density</u>	Not determined.

9.2 Other information

· <u>Appearance:</u>	
· <u>Form:</u>	Fluid
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product does not present an explosion hazard.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	9.0 %
· <u>Change in condition</u>	
· <u>Evaporation rate</u>	Not determined.

· <u>Information with regard to physical hazard classes</u>	
· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Void
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Void
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void
· <u>Oxidising liquids</u>	Void
· <u>Oxidising solids</u>	Void
· <u>Organic peroxides</u>	Void
· <u>Corrosive to metals</u>	Void
· <u>Desensitised explosives</u>	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· <u>Thermal decomposition / conditions to be avoided:</u>	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	No further relevant information available.
· 10.6 Hazardous decomposition products:	Carbon dioxide Carbon monoxide

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SECTION 11: Toxicological information· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**· Acute toxicity Based on available data, the classification criteria are not met.· LD/LC50 values relevant for classification:**ATE (Acute Toxicity Estimates)**

Oral	LD50	>16,438-37,037 mg/kg
Dermal	LD50	80,000 mg/kg (rat)

34590-94-8 Dipropylene glycol monomethyl ether

Oral	LD50	5,383 mg/kg (rat) (OECD 401)
	NOAEL	5,000 mg/kg (rat)
Dermal	LD50	9,510 mg/kg (rabbit) (OECD 402)
		9,500 mg/kg (rat)
Inhalative	NOEL	2,850 mg/kg (rabbit)
	LC50/4 h	3,080 mg/l (rat)

157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

Oral	LD50	>600-2,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
	LC50/48h	1-10 mg/l (Oncorhynchus mykiss)

51981-21-6 N,N-bis(carboxylatomethyl)-L-glutamat Tetranatriumsalz

Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)

7320-34-5 tetrapotassium pyrophosphate

Oral	LD50	>2,000 mg/kg (mouse)
Dermal	LD50	7,940 mg/kg (rat)
	LC50/48h	>750 mg/l (Leuciscus idus)

· Primary irritant effect:· Skin corrosion/irritation Based on available data, the classification criteria are not met.· Serious eye damage/irritation Causes serious eye irritation.· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.· Germ cell mutagenicity Based on available data, the classification criteria are not met.· Carcinogenicity Based on available data, the classification criteria are not met.· Reproductive toxicity Based on available data, the classification criteria are not met.· 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

None of the ingredients is listed.

SECTION 12: Ecological information· **12.1 Toxicity**· Aquatic toxicity:**34590-94-8 Dipropylene glycol monomethyl ether**

EC10/16h	4,168 mg/l (pseudomonas putida)
EC50/48h	1,919 mg/l (daphnia magna) (OECD 202)

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NOEC	>0.5 mg/l (daphnia magna)
EC50/48h	1,919 mg/l (daphnia magna)
EC50/72h	>969 mg/l (algae)
LC50/96h	>1,000 mg/l (piscis) (OECD 203)
	>10,000 mg/l (Pimephales promelas)
LC50/72h	>150 mg/l (piscis)

157627-86-6 Alcohols, C13-C15 branched and linear, ethoxylated

EC50/48h	1-10 mg/l (daphnia magna)
EC10	>1,000 mg/l (BES)
EC50/72h	1-10 mg/l (Scenedesmus subspicatus)

51981-21-6 N,N-bis(carboxylatomethyl)-L-glutamat Tetranatriumsalz

EC50/48h	>100 mg/l (daphnia magna)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)

7320-34-5 tetrapotassium pyrophosphate

LC50	>750 mg/l (goo)
IC50/72h	100 mg/l (algae)
EC50/48h	100 mg/l (daphnia magna)
LC50/96h	>100 mg/l (rat)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|------|
| · 14.1 UN number or ID 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 |

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· 14.4 Packing group

· ADR, IMDG, IATA Void

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user

Not applicable.

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

Not dangerous according to the above specifications.

· UN "Model Regulation":

Void

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII

Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU

95.4 g/l

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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<ul style="list-style-type: none"> · <u>Department issuing SDS:</u> · <u>Date of previous version:</u> · <u>Version number of previous version:</u> · <u>Abbreviations and acronyms:</u> 	<p>Laboratory 27.01.2023 10</p> <p>ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3</p>
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