



Safety Data Sheet according to (EC) No 1907/2006 as amended

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LOCTITE MSC 01 known as MULTICORE SC-01 CLEANER

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

1.1. Product identifier

LOCTITE MSC 01 known as MULTICORE SC-01 CLEANER

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

Intended use:
Solvent cleaner

1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA
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Germany

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SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Flammable liquids	Category 3
H226 Flammable liquid and vapour.	
Specific target organ toxicity - single exposure	Category 3
H336 May cause drowsiness or dizziness.	
Target organ: Central nervous system	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	

2.2. Label elements

Label elements (CLP):

Hazard pictogram:**Contains**

Propanol, 1(or 2)-ethoxy-

Signal word:

Warning

Hazard statement:

H226 Flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

**Precautionary statement:
Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P261 Avoid breathing vapors.

**Precautionary statement:
Response**

P337+P313 If eye irritation persists: Get medical advice/attention.

**Precautionary statement:
Storage**

P403+P235 Store in a well-ventilated place. Keep cool.

2.3. Other hazards

None if used properly.
 Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Following substances are present in a concentration $\geq 0,1\%$ and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in concentration \geq the concentration limit that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
Propanol, 1(or 2)-ethoxy- 52125-53-8 610-784-1	50- 100 %	Flam. Liq. 3, H226 STOT SE 3, H336 Eye Irrit. 2, H319		
1-Ethoxypropan-2-ol 1569-02-4 216-374-5 01-2119462792-32	1- < 5 %	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H336		

**For full text of the H - statements and other abbreviations see section 16 "Other information".
 Substances without classification may have community workplace exposure limits available.
 Declaration of ingredients according to Detergent Regulation 648/2004/EC**

The preparation does not contain any ingredients to be labelled according to this regulation.

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Obtain medical attention if irritation persists.

Rinse with running water and soap.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

Vapors may cause drowsiness and dizziness.

Prolonged or repeated contact may cause skin irritation.

EYE: Irritation, conjunctivitis.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Alcohol-resistant foam.

Carbon dioxide, foam, powder

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

Can form explosive gas/air mixtures.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Additional information:

In case of fire, keep containers cool with water spray.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Wear protective equipment.

Remove sources of ignition.

6.2. Environmental precautions

Do not let product enter drains.

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Remove all sources of ignition.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Use only in well-ventilated areas.
 Remove all sources of ignition.
 Wear suitable protective clothing, safety glasses and gloves.
 Wash hands before breaks and immediately after handling the product.
 Avoid skin and eye contact.
 See advice in section 8

Hygiene measures:

Good industrial hygiene practices should be observed.
 Wash hands before work breaks and after finishing work.
 Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated place.
 Keep away from sources of ignition.
 Refer to Technical Data Sheet

7.3. Specific end use(s)

Solvent cleaner

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**

Valid for
 Germany

Ingredient [Regulated substance]	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
1-Ethoxypropan-2-ol 1569-02-4			Skin designation:	Can be absorbed through the skin.	TRGS 900
1-Ethoxypropan-2-ol 1569-02-4			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
1-Ethoxypropan-2-ol 1569-02-4	20	86	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
1-ethoxypropan-2-ol 1569-02-4	aqua (freshwater)		10 mg/l				
1-ethoxypropan-2-ol 1569-02-4	aqua (marine water)		1 mg/l				
1-ethoxypropan-2-ol 1569-02-4	sewage treatment plant (STP)		1250 mg/l				
1-ethoxypropan-2-ol 1569-02-4	sediment (freshwater)				37,6 mg/kg		
1-ethoxypropan-2-ol 1569-02-4	sediment (marine water)				3,76 mg/kg		
1-ethoxypropan-2-ol 1569-02-4	oral				142 mg/kg		
1-ethoxypropan-2-ol 1569-02-4	aqua (intermittent releases)		19 mg/l				
1-ethoxypropan-2-ol 1569-02-4	Soil				1,97 mg/kg		

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
1-ethoxypropan-2-ol 1569-02-4	Workers	inhalation	Long term exposure - systemic effects		106 mg/m3	
1-ethoxypropan-2-ol 1569-02-4	Workers	inhalation	Acute/short term exposure - systemic effects		500 mg/m3	
1-ethoxypropan-2-ol 1569-02-4	Workers	dermal	Long term exposure - systemic effects		74 mg/kg	
1-ethoxypropan-2-ol 1569-02-4	General population	inhalation	Long term exposure - systemic effects		127 mg/m3	
1-ethoxypropan-2-ol 1569-02-4	General population	inhalation	Acute/short term exposure - systemic effects		300 mg/m3	
1-ethoxypropan-2-ol 1569-02-4	General population	dermal	Long term exposure - systemic effects		44,3 mg/kg	
1-ethoxypropan-2-ol 1569-02-4	General population	oral	Long term exposure - systemic effects		14 mg/kg	

Biological Exposure Indices:

None

8.2. Exposure controls:

Engineering controls:
Ensure good ventilation/extraction.

Respiratory protection:
Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; \geq 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; \geq 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

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

Physical state	liquid
Delivery form	liquid
Colour	colourless
Odor	Slight
Melting point	Not determined
Initial boiling point	130 - 133 °C (266 - 271.4 °F)
Flammability	Currently under determination
Explosive limits	
lower	1,3 %(V);
upper	12 %(V);
Flash point	Upper/lower explosion limit 40 °C (104 °F)
Auto-ignition temperature	288,0 °C (550.4 °F)Dummy
Decomposition temperature	Currently under determination
pH	Not determined
Viscosity (kinematic)	Currently under determination
Solubility (qualitative) (Solvent: Water)	Soluble
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure (25 °C (77 °F))	Mixture 1,09 kPa
Density	Not available.
Relative vapour density:	Heavier than air
Particle characteristics	Not applicable Product is a liquid

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with strong oxidants.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

Heat, flames, sparks and other sources of ignition.
Stable under recommended storage conditions.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

Hydrocarbons
carbon oxides.

SECTION 11: Toxicological information

General toxicological information:

Prolonged or repeated contact may cause skin irritation.

1.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Propanol, 1(or 2)-ethoxy- 52125-53-8	LD50	> 5.000 mg/kg	rat	not specified
1-Ethoxypropan-2-ol 1569-02-4	LD50	> 5.000 mg/kg	rat	not specified

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Propanol, 1(or 2)-ethoxy- 52125-53-8	LD50	> 5.000 mg/kg	rabbit	not specified
1-Ethoxypropan-2-ol 1569-02-4	LD50	> 2.000 mg/kg	rat	EU Method B.3 (Acute Toxicity (Dermal))

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

No data available.

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
1-Ethoxypropan-2-ol 1569-02-4	Category II		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

No data available.

Germ cell mutagenicity:

No data available.

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure::

No data available.

Aspiration hazard:

No data available.

11.2 Information on other hazards

not applicable

SECTION 12: Ecological information

General ecological information:

The product does not contain surface-active substances as defined in the EU Detergent Regulation (EC/648/2004).
Do not empty into drains / surface water / ground water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propanol, 1(or 2)-ethoxy-52125-53-8	LC50	> 5 mg/l	24 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity (Daphnia):

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propanol, 1(or 2)-ethoxy-52125-53-8	EC0	> 10 mg/l			OECD Guideline 201 (Alga, Growth Inhibition Test)
1-Ethoxypropan-2-ol 1569-02-4	EC50	> 100 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)

Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Propanol, 1(or 2)-ethoxy-52125-53-8	EC10	4.600 mg/l			not specified

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Propanol, 1(or 2)-ethoxy-52125-53-8	readily biodegradable		67 - 79 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
1-Ethoxypropan-2-ol 1569-02-4	readily biodegradable	aerobic	98 - 100 %	28 d	EU Method C.4-B (Determination of the "Ready" Biodegradability Modified OECD Screening Test)

12.3. Bioaccumulative potential

No data available.

No substance data available.

12.4. Mobility in soil

Cured adhesives are immobile.

No substance data available.

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Propanol, 1(or 2)-ethoxy- 52125-53-8	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1-Ethoxypropan-2-ol 1569-02-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Endocrine disrupting properties

not applicable

12.7. Other adverse effects

No data available.

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

Product disposal:

Dispose of in accordance with local and national regulations.

Incineration under controlled conditions is recommended.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

14 06 03 - other solvents and solvent mixtures

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

SECTION 14: Transport information

14.1. UN number or ID number

ADR	1987
RID	1987
ADN	1987
IMDG	1987
IATA	1987

14.2. UN proper shipping name

ADR	ALCOHOLS, N.O.S. (Ethoxypropanol)
RID	ALCOHOLS, N.O.S. (Ethoxypropanol)
ADN	ALCOHOLS, N.O.S. (Ethoxypropanol)
IMDG	ALCOHOLS, N.O.S. (Ethoxypropanol)
IATA	Alcohols, n.o.s. (Ethoxypropanol)

14.3. Transport hazard class(es)

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

14.4. Packing group

ADR	III
RID	III
ADN	III
IMDG	III
IATA	III

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable Tunnelcode: (D/E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

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

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable
VOC content (2010/75/EC)	100 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

National regulations/information (Germany):

WGK: WGK 1: slightly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV))
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 3

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

ED: Substance identified as having endocrine disrupting properties
EU OEL: Substance with a Union workplace exposure limit
EU EXPLD 1: Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2: Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC: Substance of very high concern (REACH Candidate List)
PBT: Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB: Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB: Substance fulfilling very persistent and very bioaccumulative criteria

Further information:

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This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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