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

SDS No. : 153931
V008.0

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

Contains:
Propanol, 1(or 2)-ethoxy- CAS-No. 52125-53-8

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 Ltd
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000
Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

1.4. Emergency telephone number
24 Hours Emergency Tel: +44 (0)1442 278497

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Flammable liquids	Category 3
H226 Flammable liquid and vapor.	
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:



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Signal word:	Warning
Hazard statement:	H226 Flammable liquid and vapor. 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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
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.

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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

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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
Great Britain

None

Occupational Exposure Limits

Valid for
Ireland

None

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	aqua (intermittent releases)		10 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	Soil				2,4 mg/kg		
1-Ethoxypropan-2-ol 1569-02-4	oral				142 mg/kg		

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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	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	Workers	inhalation	Long term exposure - systemic effects		211 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	inhalation	Long term exposure - systemic effects		127 mg/m3	
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; >= 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; >= 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.

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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

Appearance	liquid liquid colourless
Odor	Slight
Odour threshold	No data available / Not applicable
pH	Not determined
Melting point	Not determined
Solidification temperature	No data available / Not applicable
Initial boiling point	130 - 133 °C (266 - 271.4 °F)
Flash point	40 °C (104 °F)
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	
lower	1,3 %(V)
upper	12 %(V)
Vapour pressure	1,09 kPa
(25 °C (77 °F))	
Relative vapour density:	Heavier than air
Density	No data available / Not applicable
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative)	Soluble
(Solvent: Water)	
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	288,0 °C (550.4 °F)
Decomposition temperature	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

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.

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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.

11.1. Information on toxicological effects

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

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

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.

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Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure::

No data available.

Aspiration hazard:

No data available.

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)

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

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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" BiodegradabilityModified 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. 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.

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SECTION 14: Transport information

14.1. UN 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. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

VOC content (2010/75/EC) 100 %

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

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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 vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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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