



SAFETY DATA SHEET

Label remover spray

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	16.01.2015
Revision date	25.06.2019

1.1. Product identifier

Product name	Label remover spray
Article no.	L10000000038

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

Product group	Aerosols
Use of the substance / preparation	Label remover
Relevant identified uses	SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products) PROC11 Non-industrial spraying ERC8A Wide dispersive indoor use of processing aids in open systems ERC8D Wide dispersive outdoor use of processing aids in open systems
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name	Kleinmann GmbH
Postal address	Am Trieb 13
Postcode	D-72820
City	Sonnenbuehl
Country	Germany
Telephone number	+49(0)7128/9292-15
Fax	+49(0)7128/9292-415
Email	chemie@kleinmann.net
Website	http://www.kleinmann.net

Enterprise No. DE 146 487

1.4. Emergency telephone number

Emergency telephone Description: 8-12, Mo.-Fr. +49(0)7128/9292-15

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]

Aerosol 1; H222
Aerosol 1; H229
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Chronic 2; H411

Substance / mixture hazardous properties

Pressurized container: Do not pierce or burn, even after use.
Do not expose to temperatures exceeding 50 °C/122 °F.
For further information, please refer to section 11.

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label Hydrocarbons, C6-C7, alkanes, isoalkanes, cyclics, < 5% n-hexane , Propan-2-ol

Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C / 122°F.

2.3. Other hazards

Health effect

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Environmental effects

This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Hydrocarbons, C6-C7, alkanes, isoalkanes, cyclics, < 5% n-hexane	EC No.: 921-024-6 REACH Reg. No.: 01-2119475514-35-xxxx	Flam. Liq. 2; H225 Asp. tox. 1; H304 Aquatic Chronic 2; H411 Skin Irrit. 2; H315 STOT SE 3; H336	85 – 90 %	
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	10 – 12,5 %	
CARBON DIOXIDE	CAS No.: 124-38-9 EC No.: 204-696-9		1 – 2,5 %	

Substance comments

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents:
>30%: alifatic hydrocarbons , Perfume (Citral)
The full text for all hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General

Remove victim immediately from source of exposure.

Inhalation

Move the exposed person to fresh air at once. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact

Immediately flush with plenty of water or eyewash solution for up to 10 minutes.

Ingestion

Rinse mouth with water. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Do not induce vomiting. Consult a physician for specific advice.

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

Acute symptoms and effects

Irritating to skin. Irritating to eyes.

Delayed symptoms and effects

Inhalation of high vapour concentrations may cause symptoms such as mild irritation, headache, dizziness, fatigue, nausea and in serious cases unconsciousness.

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

Other information

If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards Aerosol containers can explode when heated, due to excessive pressure build-up. Gases that are dangerous to health may be formed in a fire: carbon monoxide (CO) , carbon dioxide (CO₂) .

5.3. Advice for firefighters

Personal protective equipment Wear necessary protective equipment. For personal protection, see section 8.

Fire fighting procedures Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures For personal protection, see section 8. Do not smoke or use open fire, or other sources of ignition.

6.2. Environmental precautions

Environmental precautionary measures Contain spillages with sand, earth or any suitable absorbent material. Provide ventilation and confine spill. Do not allow runoff to sewer. Do not let washing down water contaminate ponds or waterways. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Cleaning method Clean contaminated area with oil-removing material. For waste disposal, see section 13.

6.4. Reference to other sections

Other instructions See section 8 and section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling Avoid contact with skin and eyes. Avoid inhalation of vapours and spray mists. Keep away from heat, sparks and open flame. Provide good ventilation. Mechanical ventilation or local exhaust ventilation may be required. Risk of vapour concentration on the floor and in low-lying areas. Take precautionary measures against static discharges. When using do not eat, drink or smoke. Wash hands before breaks and before smoking, eating or drinking.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Store at moderate temperatures in dry, well ventilated area.

Conditions for safe storage

Technical measures and storage conditions Lagerklasse: 2B

7.3. Specific end use(s)

Specific use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Hydrocarbons, C6-C7, alkanes, isoalkanes, cyclics, < 5% n-hexane		Limit value (8 h) : 1500 mg/m ³	
Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 200 ppm Limit value (8 h) : 490 mg/m ³	TWA Year: 2011

DNEL / PNEC

Substance

Propan-2-ol

DNEL

Group: Consumer**Route of exposure:** Long-term inhalation (systemic)**Value:** 89 mg/m³**Reference:** ECHA**Group:** Professional**Route of exposure:** Long-term dermal (systemic)**Value:** 888 mg/kg bw/day**Reference:** ECHA**Group:** Professional**Route of exposure:** Long-term inhalation (systemic)**Value:** 500 mg/m³**Reference:** ECHA**Group:** Consumer**Route of exposure:** Long-term dermal (systemic)**Value:** 319 mg/kg bw/day**Reference:** ECHA**Group:** Consumer**Route of exposure:** Long-term oral (systemic)**Value:** 26 mg/kg bw/day**Reference:** ECHA

PNEC

Route of exposure: Sewage treatment plant STP

Value: 2251 mg/l

Route of exposure: Soil

Value: 25 mg/kg

Route of exposure: Freshwater

Value: 140,9 mg/l

Route of exposure: Saltwater sediments

Value: 552 mg/kg

Route of exposure: Freshwater sediments

Value: 552 mg/kg

Route of exposure: Saltwater

Value: 140,9 mg/l

Value: 140,9

Reference: Intermittent releases

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

Hand protection

Skin- / hand protection, long term contact

Use protective gloves made of: Butyl rubber. Neoprene. Nitrile. EN 374.

Hand protection, comments

Breakthrough time for nitrile rubber, neoprene and butyl rubber is approx. 3 hours.
The recommendation is a qualified estimate based on knowledge of the components. Elastic gloves stretch when used as glove thickness and thus the breakthrough time reduced.
The EN 374-3 standard test is performed at 23°C, but the practical temperature of the glove is approx. 35°C.
The breakthrough time of the different glove guides, is therefor reduced by a factor 3.

Skin protection

Additional skin protection measures

No special precautions.

Respiratory protection

Respiratory protection necessary at

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).

Thermal hazards

Thermal hazards

See section 5.

Appropriate environmental exposure control

Environmental exposure controls

See section 6.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol.
Colour	Colourless.
Odour	Lemon.
Odour limit	Comments: No data recorded.
pH	Status: In delivery state Comments: Not relevant. Status: In aqueous solution Comments: Not relevant.
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Value: > 80 °C
Flash point	Value: < 0 °C
Evaporation rate	Comments: Not relevant.
Flammability	Not relevant.
Explosion limit	Comments: No data recorded.
Vapour pressure	Comments: No data recorded.
Vapour density	Comments: No data recorded.
Relative density	Value: ~ 0,71 g/ml
Bulk density	Comments: Not relevant.
Solubility in water	insoluble
Partition coefficient: n-octanol/ water	Comments: No data recorded.
Auto-ignition temperature	Comments: No data recorded.
Decomposition temperature	Comments: No data recorded.
Viscosity	Comments: Not relevant.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

9.2.2. Other safety characteristics

Comments No information.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Flammable. Risk of ignition.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See section 10.4 and section 10.5.

10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No data recorded.

10.6. Hazardous decomposition products

Hazardous decomposition products In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance Hydrocarbons, C6-C7, alkanes, isoalkanes, cyclics, < 5% n-hexane

Acute toxicity

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: > 5000 mg/kg
Animal test species: Rat
Test reference: OECD 401 OECD 402

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Value: > 2000 mg/kg
Animal test species: Rabbit
Test reference: OECD 402

Type of toxicity: Acute

Substance	<p>Effect tested: LC50 Route of exposure: Inhalation. Duration: 4 hour(s) Animal test species: Rat</p>
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 5840 mg/kg Animal test species: Rat Test reference: OECD Guideline 401 Comments: ECHA</p> <p>Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 6 hour(s) Value: > 10000 ppm Animal test species: Rat Test reference: OECD Guideline 403 Comments: ECHA</p> <p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Duration: 24 hour(s) Value: 16,4 ml/kg Animal test species: Rabbit Test reference: OECD Guideline 402 Comments: ECHA</p>
Other toxicological data	Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Inhalation	Vapours may cause drowsiness and dizziness.
Skin contact	Irritating and may cause redness and pain.
Eye contact	Causes serious eye irritation.
Ingestion	Not likely, due to the packaging.
Sensitisation	No evidence for respiratory nor skin sensitization.
Mutagenicity	No evidence for germ cell mutagenicity.
Carcinogenicity, other information	No evidence for carcinogenicity.
Reproductive toxicity	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.

Assessment of specific target organ toxicity - repeated exposure, classification

No evidence for STOT-repeated exposure.

Assessment of aspiration hazard, classification

No evidence for aspiration hazard.

Symptoms of exposure

Symptoms of overexposure

No specific symptoms noted.

11.2 Other information

SECTION 12: Ecological information

12.1. Toxicity

Substance

Propan-2-ol

Aquatic toxicity, fish

Value: 8970 – 9280 mg/l
Test duration: 48 hour(s)
Species: Leuciscus idus melanotus
Method: LC50

Substance

Propan-2-ol

Aquatic toxicity, algae

Value: 1800 mg/l
Test duration: 8 day(s)
Species: Scenedesmus quadricauda
Method: TGK

Substance

Propan-2-ol

Aquatic toxicity, crustacean

Value: 9715 mg/l
Test duration: 24 hour(s)
Species: Daphnia magna
Method: LC50

Aquatic, comments

No data available for the product.

12.2. Persistence and degradability

Substance

Propan-2-ol

Biodegradability

Value: 95 %
Method: OECD 301E
Test period: 21 day(s)

Persistence and degradability, comments

The product is readily biodegradable.
 Volatile substances are degraded in the atmosphere within a few days.

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

12.4. Mobility in soil

Mobility

No data recorded.

12.5. Results of PBT and vPvB assessment

PBT assessment results This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

12.7. Other adverse effects

Other adverse effects, comments Water hazard classification 3

Environmental details, summation Product is toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

EWC waste code EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste: Yes

EWL packing EWC waste code: 150110 packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste: Yes

Other information Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

14.1. UN number

ADR/RID/ADN 1950

IMDG 1950

ICAO/IATA 1950

14.2. UN proper shipping name

Proper shipping name English AEROSOLS

ADR/RID/ADN

ADR/RID/ADN AEROSOL

IMDG AEROSOLS

ICAO/IATA AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN 2.2

IMDG 2.2

ICAO/IATA 2.2

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

ADR/RID/ADN	Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.
IMDG	Danger label for "Environmental hazard" should be used if packagings with more than 5 liters or 5 kilos are transported.
IMDG Marine pollutant	Yes

14.6. Special precautions for user

Special safety precautions for user None.

14.7. Maritime transport in bulk according to IMO instruments

Additional information

Additional information Not relevant.

IMDG Other information

EmS F-D, S-U

SECTION 15: Regulatory information

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

Other label information	For professional users only. As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
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Legislation and regulations	<p>The Aerosol Dispensers Regulations 2009 (SI 2824), with amendments. EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents. COMMISSION DIRECTIVE 2013/10/EU of 19 March 2013 amending Council</p>
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Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

15.2. Chemical safety assessment

Chemical safety assessment performed

No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)

H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Training advice

No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

Information added, deleted or revised

Change to Sections: 1, 7, 12, 16

Version

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Prepared by

MP