Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Identification as on the label/Trade name: Silicone and Wax Remover
Product number: KC-10.10.051.08, KC-10.10.050.41, KC-10.10.050.42, KC-10.10.050.43
EAN: 8682729303734, 8682729303444, 8682729303451, 8682729303468

1.2 Relevant identification uses of the substance and uses advised against:

Identified uses: Solvent
Uses advised against: No other uses are advised.

1.3 Details of the Supplier of the Safety Data Sheet:

KOCHMAIER
Minervastr. 36
74613 Öhringen
+49-170-290-6038

1.4 Emergency telephone numbers:

24-hour Emergency Contact:
+49-170-290-6038

Section 2: Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 The mixture is classified according to: Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Hazard classes/Hazard categories:

Eye Irrit. 2; H319

Flam. Liq. 2; H225

STOT SE 3; H336

2.1.2 Additional information:

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation
(EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of
Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3 and 4 of Annex I to CLP.

2.2 Label elements:

Hazard pictogram(s): Labelling according Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statements:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
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.
P261 Avoid breathing vapours/spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.
Supplemental Hazard: none

2.3 Other hazards:
PBT assessment
The product is not considered to be a PBT.
vPvB assessment
The product is not considered to be a vPvB

Section 3: Composition/Information on Ingredients

3.1 Substance: propan-2-ol

3.2 Mixture:

Substance name (IUPAC/EC)	**CAS-No.** **EC-No.**	**Concentration % by weight**	**SCLs, M-Factors, Acute Toxicity Estimates (ATE)**	**Classification** EC1272/2008
propan-2-ol	67-63-0 200-661-7	<=100 %	-	Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319,

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: First-Aid Measures

4.1 Description of first aid measures:

General advice

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

If inhaled

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

In case of skin contact

Wash off immediately with soap and water.

In case of eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

If swallowed

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed:
No data available.

4.3 Indication of any immediate medical attention and special treatment needed:
No data available

Section 5: Fire-Fighting Measures

5.1 Extinguisher media:

Suitable extinguisher media: Water spray jet; Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher.
Unsuitable extinguishing media: High power water jet.

5.2 Special hazards arising from the mixture:
In the event of fire, the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Recommendations for firefighting personnel:
Use self-contained breathing apparatus. Wear full protective suit. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

5.4 Further information

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:
Advice for non-emergency personnel: Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Keep away from ignition sources.
Advice for emergency personnel: For personal protection see section 8.

6.2 Environmental precautions:
Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods for containment and cleaning up:
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

Hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion- proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including incompatibilities:

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight**.**

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameters:

Occupational exposure limits: Ingredients with workplace control parameters.

8.2 Exposure controls:

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus

Eye/face protection
Safety glasses with side protection shield (EN 166)
Skin protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work- station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>=	0.5	mm
Appropriate Material	nitrile		
Material thickness	>=	0.38	mm
Breakthrough time	>=	480	min

Other
Chemical-resistant work clothes.
Environmental exposure controls
No data available

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Physical state: Liquid
Colour: Colorless
Odour and odour threshold: alcohol-like.
pH (concentration): Not applicable
Melting point/range (°C): Not applicable
Boiling point/range (°C): 82°C ASTM D 1078 supplier
Flash point (°C): 12°C ASTM D 56 supplier
Evaporation rate: No data available.
Explosive properties: This product is not explosive. In and after use danger of production of inflammable compounds.
Flammability (solid, gas): No data available.
Upper/lower flammability/explosive limits: Upper flammability / explosive limit: 13 % vol supplier
Lower flammability / explosive limit: 2.0 % vol supplier
Vapour pressure: 4 kPa at 20 °C supplier
Vapour density: No data available.
Relative density: 0,79 15 °C supplier
Water solubility: miscible
Solubility in other solvents: No data available.
n-Octanol/Water partition coefficient: No data available.
Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable
Viscosity, dynamic (mPa.s): Viscosity, kinematic: No data available
Viscosity, dynamic: No data available

9.2 Other data:

9.2.1 Additional information:

9.2.2 Other safety characteristics:

Section 10: Stability and Reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage and handling conditions (See section 7)

10.3 Possibility of hazardous reactions:
None, when used as directed.

10.4 Conditions to avoid: Heat, naked flames and other ignition sources. Static discharges.

10.5 Incompatible materials: Oxidizing agents; Alkali metals; Earth alkali metals; Aldehydes; Chlorine compounds; strong acids

10.6 Hazardous decomposition products: None, if handled according to intended use.

Section 11: Toxicological Information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Oral:

LD50	5840 mg/kg bodyweight
Species	rat
Method	OECD 401
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Inhalation:

LC50	> 10000 ppmV
Duration of exposure	6 h
State of aggregation	Vapour
Species	rat
Method	OECD 403
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Species	rabbit
Source	ECHA
Evaluation	non-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Species	rabbit
Method	OECD 405
Source	ECHA
Evaluation	irritant
Evaluation/classification	Based on available data, the classification criteria are met.

Respiratory or skin sensitization:

Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing
Evaluation/classification	Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Carcinogenicity: No data available
Reproductive toxicity: No data available
STOT-single exposure: No data available
STOT-repeated exposure: No data available

Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Aspiration hazard: No data available
11.2 Information regarding other hazard classes which relates to endocrine disrupting properties:
Endocrine disrupting properties:

Section 12: Ecological Information

12.1 Toxicity:
Toxicity to fish (acute)

LC50	9640 mg/l
Duration of exposure	96 h
Species	Pimephales promelas
Method	OECD 203
Source	ECHA

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)

EC50	> 10000 mg/l
Duration of exposure	24 h
Species	Daphnia magna
Method	OECD 202
Source	ECHA

Toxicity to Daphnia (chronic)
Not data available
Toxicity to algae (acute)
Not data available

Toxicity to algae (chronic)
Not data available
Bacteria toxicity
Not data available

12.2 Persistence and degradability

Type	BOD/COD
Value	53 %
Duration	5 day(s)
Source	ECHA
Evaluation	readily biodegradable

12.3 Bioaccumulative potential

log Pow	0.05
Reference temperature	25 °C
Source	ECHA

12.4 Mobility in soil: No data available.
12.5 Results of PBT& vPvB assessment: No PBT or vPvB substances present in concentrations of >=0.1%
12.6 Endocrine disrupting properties: No data available.
12.7 Other adverse effects: No data available.
12.8 Other adverse effects: No data available.

Section 13: Disposal Considerations

13.1 Waste treatment methods:

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

Section 14: Transport Information

14.1 UN number:

ADR/RID: 1219 IMDG: 1219 IATA: 1219

14.2 UN proper shipping name:

ADR/RID: ISOPROPANOL
IMDG: ISOPROPANOL
IATA: ISOPROPANOL

14.3 Transport hazard class:

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packing group:

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards:

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user:

Tunnel restriction code : (D/E)
Further information : No data available

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

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorization

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII No 3, 40

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is subject to Part I of Annex I, risk category: P5b

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.
Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical Safety Assessment carried out:

No chemical safety assessment has been carried out for the mixture. The Safety Data Sheet incorporates the relevant information on the components of the mixture and, where possible, includes related exposure scenarios.

Section 16: Other Information

Indication of changes: First version.

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case. Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case. Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de
This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Prod-ID 769551

Full text of other abbreviations
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx – Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS – Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI – Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative
Main bibliographical sources:
The results of toxicological studies or their suppliers.
ECHA website, GESTIS website (international exposure limit values), ACGIH (TLV and Bet).

Notice to readers:
The information detailed here is based on our knowledge up to the date indicated above. Refers exclusively to the product indicated and does not constitute a guarantee of particular qualities. The user must ensure the suitability and accuracy of said information in relation to the specific use to be made of the product.

List of abbreviations:
ACGIH American Conference of Governmental Industrial Hygienists
ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road
ALARA As Low As Is Reasonably Achievable
AMU Atomic Mass Unit
ANSI American National Standards Institute

CAM Continuous Air Monitor
CAS Chemical Abstracts Service (division of the American Chemical Society)
CEN European Committee for Standardization
CERCLA Comprehensive Environmental Response Compensation and Liability Act
CLP Classification, Labelling and Packaging (European Union)
CPR Controlled Products Regulations (Canada)
CWA Clean Water Act (USA)
DAC Derived Air Concentration (USA)
DOT United States Department of Transportation (USA)
DSL Domestic Substances List (Canada)
EC50 Half Maximal Effective Concentration
EINECS European Inventory of Existing Commercial Chemical Substances
EHS Environmentally Hazardous Substance
ELINCS European List of Notified Chemical Substances
EMS Emergency Response Procedures for Ships Carrying Dangerous Goods
EPA Environmental Protection Agency (USA)
EPCRA Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986
GHS Globally Harmonized System
HMIS Hazardous Materials Identification System (USA)
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IBC Intermediate Bulk Containers
ICAO International Civil Aviation Organization
IDLH Immediately Dangerous to Life or Health
IMDG International Maritime Code for Dangerous Good
LC50 Lethal concentration, 50 percent
LD50 Lethal dose, 50 percent
LDLO Lethal Dose Low
LOEC Lowest-Observed-Effective Concentration
MARPOL International Convention for the Prevention of Pollution from Ships
MSHA Mine Safety and Health Administration (USA)
NCRP National Council on Radiation Protection & Measurements (USA)
NDSL Non-Domestic Substances List (Canada)
NFPA National Fire Protection Association (USA)
NIOSH National Institute for Occupational Safety and Health (USA)
NOEC No Observed Effect Concentration
N.O.S. Not Otherwise Specified
NRC Nuclear Regulatory Commission (USA)
NTP National Toxicology Program (USA)
OSHA Occupational Safety and Health Administration (USA)
PBT Persistent Bioaccumulative and Toxic Chemical
PEL Permissible Exposure Limit
PIH Poisonous by Inhalation Hazard
RCRA Resource Conservation and Recovery Act (USA)
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (Europe)
RID Regulations Concerning the International Transport of Dangerous Goods by Rail
RTECS Registry of Toxic Effects of Chemical Substances
SARA Superfund Amendments and Reauthorization Act (USA)
TDG Transportation of Dangerous Goods (Canada)
TIH Toxic by Inhalation Hazard

TLV Threshold Limit Value
TPQ Threshold Planning Quantity
TSCA Toxic Substances Control Act
TWA Time Weighted Average
UN United Nations (Number)
VOC Volatile Organic Compound
vPvB Very Persistent Very Bioaccumulative Chemical
WHMIS Workplace Hazardous Materials Information System