



RENOLIT ALKORPLUS 81701-010

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 22/03/2010

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Version: 2.1

Rely on it.

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

1.1. Product identifier

Product form : Mixture
Trade name : **RENOLIT ALKORPLUS 81701-010**
Type of product : Contact adhesive

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

1.2.1. Relevant identified uses

Main use category : Industrial uses.,Professional use,Consumer uses
Industrial/Professional use spec : Contact adhesive

Title	Use descriptors
Uses in Coatings (3)	SU3, PC1, PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15, ERC4, ESVOC SPERC 4.3a.v1
Uses in Coatings (3)	SU3, PC1, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ESVOC SPERC 4.3a.v1
Uses in Coatings	SU22, PC1, PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19, ERC8a, ERC8d, ESVOC SPERC 8.3b.v1
Uses in Coatings	SU22, PC1, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC8a, ERC8d, ESVOC SPERC 8.3b.v1
Uses in Coatings	SU21, PC1, PC4, PC5, PC9a, PC10, PC15, PC18, PC23, PC24, PC31, PC34, ERC8a, ERC8d, ESVOC SPERC 8.3c.v1

Full text of use descriptors: see section 16

1.2.2. Uses advised against

Other uses than mentioned above.

1.3. Details of the supplier of the safety data sheet

RENOLIT Belgium NV
Industriepark De Bruwaan 43
B - 9700 OUDENAARDE
Tel. +32 55 33 97 11

1.4. Emergency telephone number

Emergency number : +44 (0)1235 239670 (24 h/7 days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225
Skin Irrit. 2 H315
STOT SE 3 H336
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

Contains volatile component(s). Highly flammable liquid and vapour. Dangerous for the environment.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS09

Signal word (CLP) : Danger

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Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	: P210 - Keep away from sources of ignition - No smoking. P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves, eye protection P312 - Call a doctor if you feel unwell P370+P378 - In case of fire, use: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂), water spray, sand, earth to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed
Extra phrases	: Contains : methyl ethyl ketone Cyclohexane aliphatic hydrocarbons

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	(EC no) 927-510-4 (EC index no) 927-510-4	10 - 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cyclohexane	(CAS No) 110-82-7 (EC no) 203-806-2 (EC index no) 601-017-00-1 (REACH-no) 01-2119463273-41	15 - 25,3	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C6 isoalkanes, <5% n-hexane	(EC no) 931-254-9 (REACH-no) 01-2119484651-34	5 - 15	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	(EC no) 920-750-0 (REACH-no) 01-2119473851-33	<= 15	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
methyl ethyl ketone	(CAS No) 78-93-3 (EC no) 201-159-0 (EC index no) 606-002-00-3 (REACH-no) 01-2119457290-43	<= 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
n-hexane	(CAS No) 110-54-3 (EC no) 203-777-6 (EC index no) 601-037-00-0 (REACH-no) 01-2119480412-44	<= 0,75	Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Name	Product identifier	Specific concentration limits	
n-hexane	(CAS No) 110-54-3 (EC no) 203-777-6 (EC index no) 601-037-00-0 (REACH-no) 01-2119480412-44	(C >= 5) STOT RE 2, H373	

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. Take victim to a doctor if irritation persists.
First-aid measures after inhalation	: Remove the victim into fresh air. In case of respiratory collapse: apply mouth-to-mouth resuscitation. When there is no quick recovery : consult a doctor/medical service.

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Repeated or prolonged contact with the product may cause skin diseases.
First-aid measures after eye contact : Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion : When there is no quick recovery : consult a doctor/medical service. Do not induce vomiting.

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

Symptoms/injuries : Dizziness. Nausea. Dry skin. Headache. Unconsciousness. skin irritation.
Symptoms/injuries after skin contact : Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact : Irritating to eyes.

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

Causes damage to the central nervous system. Contains petrol.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry powder. Carbon dioxide. Foam. Water haze. sand/earth.
Unsuitable extinguishing media : Do not use a high volume water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Vapours are heavier than air and spread above ground. Possible ignition from a distance. Floats on water and may be ignited again.
Explosion hazard : Gas/vapour explosive with air within explosion limits.
Reactivity in case of fire : No data available.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate all personnel that isn't necessary.
Firefighting instructions : Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. In case of fire: stop leak if safe to do so. Prevent fire-fighting water from entering environment. Exercise caution when fighting any chemical fire.
Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.
Other information : Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. Avoid contact with skin and eyes. No naked flames or sparks. In order to rule out potential electrostatic discharge production, the system must be adequately grounded. Do not inhale vapour. Stop engines and no smoking. Shut off leaks if without risks. Vapours are heavier than air and spread above ground. Eliminate every possible source of ignition. Evacuate all personnel that isn't necessary. Always be very careful when extinguishing a chemical fire.

6.1.1. For non-emergency personnel

Protective equipment : Use protective clothing. See Heading 8.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves. Equip cleanup crew with proper protection.

6.2. Environmental precautions

Substance must not be discharged into the sewer.

6.3. Methods and material for containment and cleaning up

For containment : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Contain released substance, pump into suitable containers.
Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation. Wash down leftovers with plenty of water.
Other information : May form flammable vapour-air mixture.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : if necessary: Ventilation, local exhaust, or breathing protection. In use, may form flammable vapour-air mixture. Handle empty containers with care because residual vapours are flammable. ventilate the area.
Precautions for safe handling : Use only outdoors or in a well-ventilated area. Vapours are heavier than air and could spread above ground for a great distance till their source before exploding. No naked flames, sparks, and do not smoke. Use only non-sparking tools. Prevent build-up of electrostatic charges (e.g., by grounding).

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Handling temperature : 10 - 25 °C
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation.
Storage conditions : Store in original container. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Heat sources. Direct sunlight.
Maximum storage period : 1 year
Storage temperature : 5 - 20 °C
Storage area : Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight, heat sources and sources of ignition.
LGK 3: Flammable liquids (D).
Special rules on packaging : meet the legal requirements.

7.3. Specific end use(s)

Contact adhesive.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

methyl ethyl ketone (78-93-3)		
EU	IOELV TWA (mg/m ³)	600 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
EU	IOELV STEL (mg/m ³)	900 mg/m ³
EU	IOELV STEL (ppm)	300 ppm
Belgium	Limit value (mg/m ³)	600 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	900 mg/m ³
Belgium	Short time value (ppm)	300 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	600 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	600 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	200 ppm
Cyclohexane (110-82-7)		
EU	IOELV TWA (mg/m ³)	700 mg/m ³
EU	IOELV TWA (ppm)	200 ppm
Belgium	Limit value (mg/m ³)	350 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	700 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	800 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	2800 ppm
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic		
Belgium	Limit value (mg/m ³)	1200 mg/m ³ ExxonMobil
Belgium	Limit value (ppm)	260 ppm ExxonMobil
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1500 mg/m ³ RCP=Reciprocal calculation procedure
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	3000 mg/m ³ RCP=Reciprocal calculation procedure
n-hexane (110-54-3)		
EU	IOELV TWA (mg/m ³)	72 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
Belgium	Limit value (mg/m ³)	72 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	50 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	180 ppm
Germany	TRGS 900 Limitation of exposure peaks (mg/m ³)	1440 mg/m ³
Germany	TRGS 900 Limitation of exposure peaks (ppm)	400 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.
Personal protective equipment : In case of splash hazard: safety glasses. Gloves.

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Materials for protective clothing	: butyl rubber. synthetic material. rubber
Hand protection	: solvent-resistant gloves
Eye protection	: Safety glasses
Skin and body protection	: Standard working clothes
Respiratory protection	: Ensure adequate ventilation. If local exhaustion is insufficient, wear full-face mask.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: petroleum-like odour.
Flash point	: - 26 °C
Auto-ignition temperature	: > 200 °C
Relative density	: 0,8 ± 0,05
Solubility	: Water: insoluble in water
Viscosity, dynamic	: 600 - 1200 mPa.s 20°C Spindle 5 20 RPM
Explosive properties	: Product is not explosive but may form flammable/explosive vapour-air mixture.

9.2. Other information

VOC content	: 59 - 63 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

fire, naked flames. sparks. Heat.

10.5. Incompatible materials

When liquid avoid. water. Plastic.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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methyl ethyl ketone (78-93-3)	
LD50 oral rat	2737 mg/kg
LD50 dermal rabbit	6480 mg/kg
LC50 inhalation rat (mg/l)	20 mg/l/4h
Cyclohexane (110-82-7)	
LD50 oral rat	> 5000 kilogram
LD50 dermal rat	> 2000 mg/kg
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	≈ 2800 mg/kg
LC50 inhalation rat (mg/l)	> 23,3 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.
Ecology - water	: Toxic

methyl ethyl ketone (78-93-3)	
LC50 fishes 1	1690 mg/l (96 h, LEPOMIS MACROCHIRUS, FRESH WATER)
LC50 other aquatic organisms 1	8890 mg/l (DAPHNIA MAGNA)
EC50 other aquatic organisms 1	120 mg/l (72 h, ALGAE)
LC50 fish 2	3200 mg/l (96 h, PIMEPHALES PROMELAS)
LC50 other aquatic organisms 2	1950 ppm (24 h, ARTEMIA SALINA)
EC50 Daphnia 2	5091 mg/l (48 h, DAPHNIA MAGNA)
EC50 other aquatic organisms 2	0,333 mg/l (<1 h, PHOTOBACTERIUM PHOSPHOREUM, MICROTOXTEST)
TLM fish 1	5600 mg/l (96 h, GAMBUSIA AFFINIS)
TLM fish 2	1690 mg/l (96 h, LEPOMIS MACROCHIRUS, FRESH WATER)
TLM other aquatic organisms 2	> 1000 ppm (96 h)
Threshold limit other aquatic organisms 1	3200 mg/l (96 h, GAMBUSIA AFFINIS)
Threshold limit other aquatic organisms 2	1150 mg/l (16 h, PSEUDOMONAS PUTIDA)
Threshold limit algae 1	110 mg/l (168 h, MICROCYSTIS AERUGINOSA)
Threshold limit algae 2	4300 mg/l (192 h, SCENEDESMUS QUADRICAUDA)
Cyclohexane (110-82-7)	
LC50 fishes 1	4,53 mg/l (Pimephales promelas)
EC50 Daphnia 1	0,9 mg/l 48h
EC50 other aquatic organisms 1	3,4 mg/l 72h (Selenastrum capricornutum)
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	
LOEC (chronic)	0,32 mg/l Daphnia Magna 21d
NOEC (chronic)	0,17 mg/l Daphnia Magna 21d

12.2. Persistence and degradability

methyl ethyl ketone (78-93-3)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1,92 g O ₂ /g substance
Chemical oxygen demand (COD)	2,31 g O ₂ /g substance
ThOD	2,44 g O ₂ /g substance
BOD (% of ThOD)	79 % ThOD
Cyclohexane (110-82-7)	
Persistence and degradability	Readily biodegradable.
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

methyl ethyl ketone (78-93-3)	
Log Pow	0.26/0.69
Bioaccumulative potential	No significant bioaccumulation.
Cyclohexane (110-82-7)	
Log Pow	3,4
Bioaccumulative potential	None reasonably foreseeable.
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	
Bioaccumulative potential	Not established.

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12.4. Mobility in soil

methyl ethyl ketone (78-93-3)	
Surface tension	0,024 N/m (20°C)
Cyclohexane (110-82-7)	
Ecology - soil	Insoluble in water.
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic	
Ecology - soil	Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.

12.5. Results of PBT and vPvB assessment

Component	
methyl ethyl ketone (78-93-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Cyclohexane (110-82-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic ()	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Remove to an authorized waste treatment plant. Wastes, including emptied containers, should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 1133
 UN-No. (IMDG) : 1133
 UN-No.(IATA) : 1133
 UN-No.(ADN) : 1133
 UN-No. (RID) : 1133

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ADHESIVES containing flammable liquid
 Proper Shipping Name (IMDG) : ADHESIVES containing flammable liquid
 Proper Shipping Name (IATA) : ADHESIVES containing flammable liquid
 Proper Shipping Name (ADN) : ADHESIVES containing flammable liquid
 Proper Shipping Name (RID) : ADHESIVES containing flammable liquid
 Transport document description (ADR) : UN 1133 ADHESIVES, containing a flammable liquid, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
 Transport document description (IMDG) : UN 1133 ADHESIVES containing flammable liquid, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3 (N)
 Danger labels (ADR) : 3, N



IMDG

Transport hazard class(es) (IMDG) : N (3)
 Danger labels (IMDG) : N, 3

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IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3 (N)

Danger labels (RID) : 3, N



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

Transport regulations (ADR) : Subject to the provisions

Classification code (ADR) : F1

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

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14.6.2. Transport by sea

Transport regulations (IMDG) : Subject to the provisions
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D

14.6.3. Air transport

Transport regulations (IATA) : Subject to the provisions

14.6.4. Inland waterway transport

Transport regulations (ADN) : Subject to the provisions
Not subject to ADN : No

14.6.5. Rail transport

Transport regulations (RID) : Subject to the provisions
Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	RENOLIT ALKORPLUS 81701-010
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	RENOLIT ALKORPLUS 81701-010
57. Cyclohexane	Cyclohexane

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 59 - 63 %

Other information, restriction and prohibition regulations : (D) GIS-CODE: S1 Stark lösemittelhaltige Verlegewerkstoffe, aromaten- und methanolfrei.

15.1.2. National regulations

Germany

Water hazard class (WGK) : 2 - hazard to waters

WGK remark : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out

Aliphatic hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic

SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2

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Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R11	Highly flammable
R36	Irritating to eyes
R38	Irritating to skin
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems
ESVOC SPERC 4.3a.v1	Uses in Coatings (SU3)
ESVOC SPERC 8.3b.v1	Uses in Coatings: Professional (SU22)
ESVOC SPERC 8.3c.v1	Uses in Coatings: Consumer (SU21)
PC1	Adhesives, sealants
PC10	Building and construction preparations not covered elsewhere.
PC15	Non-metal-surface treatment products
PC18	Ink and Toners
PC23	Leather tanning, dye, finishing, impregnation and care products
PC24	Lubricants, Greases and Release Products
PC31	Polishes and Wax Blends
PC34	Textile dyes, finishing and impregnating products; including bleaches and other processing aids
PC4	Anti-Freeze and De-icing products
PC5	Artists Supply and Hobby preparations.
PC9a	Coatings and paints, thinners, paint removers
PROC1	Use in closed process, no likelihood of exposure
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC13	Treatment of articles by dipping and pouring
PROC15	Use as laboratory reagent
PROC19	Hand-mixing with intimate contact and only PPE available
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC3	Use in closed batch process (synthesis or formulation)
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities



RENOLIT ALKORPLUS 81701-010

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Rely on it.

PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product