



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001



Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** RENOLIT ALKORPLUS  
CONTACT ADHESIVE  
81140001
- Other means of identification:**
- UFI:** TJ10-00Q3-0001-R94F
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- Relevant uses: Adhesive. For professional users only.
- Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
- Archityne Limited  
1/36 Devon St  
Bucklands Beach,  
Auckland 2012
- 1.4 Emergency telephone number:** 0800 764 766 - National Poisons Centre

#### SECTION 2: HAZARDS IDENTIFICATION \*\*

- 2.1 Classification of the substance or mixture:**
- CLP Regulation (EC) No 1272/2008:**
- Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
- Aerosol 1: Flammable aerosols, Category 1, H222  
Aerosol 1: Pressurised container: May burst if heated., H229  
Carc. 2: Carcinogenicity, Category 2, H351  
Resp. Sens. 1: Sensitisation, respiratory, Category 1, H334  
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**
- CLP Regulation (EC) No 1272/2008:**
- Danger
- 
- Hazard statements:**
- Aerosol 1: H222 - Extremely flammable aerosol.  
Aerosol 1: H229 - Pressurised container: May burst if heated.  
Carc. 2: H351 - Suspected of causing cancer.  
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.
- Precautionary statements:**

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 1/17

Document generated with Chemeter ([www.siam-it.com](http://www.siam-it.com))



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 2: HAZARDS IDENTIFICATION \*\* (continued)

P201: Obtain special instructions before use.  
 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: Do not pierce or burn, even after use.  
 P261: Avoid breathing spray  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 P405: Store locked up.  
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F  
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

#### Supplementary information:

EUH204: Contains isocyanates. May produce an allergic reaction.

#### Additional Labelling:

As from 24 August 2023 adequate training is required before industrial or professional use.

UFI: TJ10-00Q3-0001-R94F

#### 2.3 HSNO Classification:

HSNO: 2.1.2A, 6.5A, 6.5B, 6.7B

\*\* Changes with regards to the previous version

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Substance:

Non-applicable

##### 3.2 Mixture:

**Chemical description:** Mixture of substances

##### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 115-10-6 EC: 204-065-8 Index: 603-019-00-8 REACH:01-2119472128-37-XXXX	<b>Dimethyl ether</b> <sup>(1)</sup> ATP CLP00		30 - <60 %
	Regulation 1272/2008	Flam. Gas 1A: H220; Press. Gas: H280 - Danger	
CAS: 75-09-2 EC: 200-838-9 Index: 602-004-00-3 REACH:01-2119480404-41-XXXX	<b>Dichloromethane</b> <sup>(2)</sup> ATP CLP00		20 - <40 %
	Regulation 1272/2008	Carc. 2: H351 - Warning	
CAS: 101-68-8 EC: 202-966-0 Index: 615-005-00-9 REACH:01-2119457014-47-XXXX	<b>4,4'-methylenediphenyl diisocyanate</b> <sup>(2)</sup> ATP CLP00		1 - <5 %
	Regulation 1272/2008	Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger	
CAS: 141-78-6 EC: 205-500-4 Index: 607-022-00-5 REACH:01-2119475103-46-XXXX	<b>Ethyl acetate</b> <sup>(2)</sup> ATP CLP00		1 - <5 %
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	

<sup>(1)</sup> Substance with a Union workplace exposure limit

<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 2/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

**RENOLIT ALKORPLUS  
CONTACT ADHESIVE  
81140001**

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)**

Identification	Chemical name/Classification	Concentration
CAS: 4083-64-1 EC: 223-810-8 Index: 615-012-00-7 REACH:01-2119980050-47-XXXX	<b>4-isocyanatosulphonyltoluene</b> <sup>(2)</sup> Regulation 1272/2008 Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; STOT SE 3: H335; EUH014 - Danger	ATP CLP00 <1 % 

<sup>(1)</sup> Substance with a Union workplace exposure limit<sup>(2)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**Other information:**

Identification	Specific concentration limit
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	% (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 2 - H319 % (w/w) >=0,1: Resp. Sens. 1 - H334 % (w/w) >=5: STOT SE 3 - H335
4-isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	% (w/w) >=5: Skin Irrit. 2 - H315 % (w/w) >=5: Eye Irrit. 2 - H319 % (w/w) >=5: STOT SE 3 - H335

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	LD50 oral	Not relevant	
	LD50 dermal	Not relevant	
	LC50 inhalation	11 mg/L (ATEi)	

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Contains substances that react violently with water. Remove contaminated clothing and shoes, clean the affected area with care. In the case of serious reaction consult a doctor. If the product produces burns or freezing, do not remove clothing as this could worsen the injury. In case of blisters forming on the skin, do not burst them as this could increase the risk of infection.

**By eye contact:**

Contains substances that react violently with water. Clean the affected area with care. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. Request immediate medical assistance, showing the SDS of this product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms and effects, both acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Not relevant

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media:**

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 3/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001



Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 5: FIREFIGHTING MEASURES (continued)

##### Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

##### Unsuitable extinguishing media:

Water jet

##### 5.2 Special hazards arising from the substance or mixture:

Contains substances that react violently with water.

##### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

##### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures:

###### For non-emergency personnel:

AVOID CONTACT WITH WATER. Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those who do not have protection. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

###### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

##### 6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

##### 6.3 Methods and material for containment and cleaning up:

DO NOT USE WATER TO CLEAN.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

##### 6.4 Reference to other sections:

See sections 8 and 13.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1 Precautions for safe handling:

###### A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

###### B.- Technical recommendations for the prevention of fires and explosions

Avoid contact with water and the evaporation of the product, as it could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

###### C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

###### D.- Technical recommendations to prevent environmental risks

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 4/17



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 7: HANDLING AND STORAGE (continued)

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

#### 7.2 Conditions for safe storage, including any incompatibilities:

##### A.- Specific storage requirements

Minimum Temp.: 10 °C

Maximum time: 24 Months

##### B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Workplace Exposure Standard – New Zealand:

Source	Substance	Cas No.	TWA	STEL	Notes
New Zealand Workplace Exposure Standards (WES)	Dimethylether	115-10-6	400 ppm	500 ppm	
			766 mg/m <sup>3</sup>	958 mg/m <sup>3</sup>	
New Zealand Workplace Exposure Standards (WES)	Dichloromethane	75-09-2	50 ppm		carcinogen category 2: Suspected human carcinogen.
			174 mg/m <sup>3</sup>		
New Zealand Workplace Exposure Standards (WES)	Methylene bisphenyl isocyanate, as -NCO	101-68-8	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	d <sub>sen</sub> : Dermal sensitiser. r <sub>sen</sub> : Respiratory sensitiser. i <sub>fv</sub> : Inhalable fraction and vapour.
New Zealand Workplace Exposure Standards (WES)	Ethyl acetate	141-78-6	200 ppm		
			720 mg/m <sup>3</sup>		

#### DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	1894 mg/m <sup>3</sup>	Not relevant
Dichloromethane CAS: 75-09-2 EC: 200-838-9	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	12 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	176 mg/m <sup>3</sup>	Not relevant
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	0,1 mg/m <sup>3</sup>	Not relevant	0,05 mg/m <sup>3</sup>
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	63 mg/kg	Not relevant
	Inhalation	1468 mg/m <sup>3</sup>	1468 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>
4-Isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	0,92 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	3,24 mg/m <sup>3</sup>	Not relevant

#### DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	Not relevant	471 mg/m <sup>3</sup>	Not relevant

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 5/17



Rely on it.

Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



**RENOLIT ALKORPLUS  
CONTACT ADHESIVE  
81140001**

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dichloromethane CAS: 75-09-2 EC: 200-838-9	Oral	Not relevant	Not relevant	0,06 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	5,82 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	44 mg/m <sup>3</sup>	Not relevant
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	Not relevant	Not relevant
	Inhalation	Not relevant	0,05 mg/m <sup>3</sup>	Not relevant	0,025 mg/m <sup>3</sup>
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Oral	Not relevant	Not relevant	4,5 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	37 mg/kg	Not relevant
	Inhalation	734 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>	367 mg/m <sup>3</sup>	367 mg/m <sup>3</sup>
4-isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	Oral	Not relevant	Not relevant	0,46 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	0,46 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	0,8 mg/m <sup>3</sup>	Not relevant

**PNEC:**

Identification				
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	STP	160 mg/L	Fresh water	0,155 mg/L
	Soil	0,045 mg/kg	Marine water	0,016 mg/L
	Intermittent	1,549 mg/L	Sediment (Fresh water)	0,681 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,069 mg/kg
Dichloromethane CAS: 75-09-2 EC: 200-838-9	STP	26 mg/L	Fresh water	0,31 mg/L
	Soil	0,33 mg/kg	Marine water	0,031 mg/L
	Intermittent	0,27 mg/L	Sediment (Fresh water)	2,57 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,26 mg/kg
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	STP	1 mg/L	Fresh water	1 mg/L
	Soil	1 mg/kg	Marine water	0,1 mg/L
	Intermittent	10 mg/L	Sediment (Fresh water)	Not relevant
	Oral	Not relevant	Sediment (Marine water)	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	STP	650 mg/L	Fresh water	0,24 mg/L
	Soil	0,148 mg/kg	Marine water	0,024 mg/L
	Intermittent	1,65 mg/L	Sediment (Fresh water)	1,15 mg/kg
	Oral	0,2 g/kg	Sediment (Marine water)	0,115 mg/kg
4-isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	STP	0,4 mg/l	Fresh water	0,03 mg/l
	Soil	0,017 mg/kg	Marine water	0,003 mg/l
	Intermittent	0,3 mg/L	Sediment (Fresh water)	0,172 mg/kg
	Oral	Not relevant	Sediment (Marine water)	0,017 mg/kg

**8.2 Exposure controls:**

**A.- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

**B.- Respiratory protection**

Pictogram	PPF	Labelling	CEN Standard	Remarks
	Filter mask for gases, vapours and particles		EN 149:2001+A1:2009 EN 405:2002+A1:2010 EN ISO 136:1998	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected.

**C.- Specific protection for the hands**

- CONTINUED ON NEXT PAGE -



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: PVA, Breakthrough time: > 480 min)	 CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

#### D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	 CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

#### E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	 CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	 CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

#### F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

#### Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

#### Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	10 % weight
V.O.C. density at 25 °C:	973,2 kg/m <sup>3</sup> (973,2 g/L)
Average carbon number:	Not relevant
Average molecular weight:	Not relevant

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

##### Appearance:

Physical state at 20 °C: Aerosol

\*Not relevant due to the nature of the product, not providing information property of its hazards.

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 7/17



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES \*\* (continued)

Appearance:	Volatile
Colour:	Several
Odour:	Characteristic
Odour threshold:	Not relevant *

#### Volatility:

Boiling point at atmospheric pressure:	40 °C (Propellant)
Vapour pressure at 25 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 25 °C:	Not relevant *

#### Product description:

Density at 25 °C:	Not relevant *
Relative density at 25 °C:	1,2
Dynamic viscosity at 25 °C:	>300 - 800 cP
Kinematic viscosity at 25 °C:	Not relevant *
Kinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	Not relevant *
Vapour density at 25 °C:	Not relevant *
Partition coefficient n-octanol/water 25 °C:	Not relevant *
Solubility in water at 25 °C:	Not relevant *
Solubility properties:	Immiscible
Decomposition temperature:	Not relevant *
Melting point/freezing point:	Not relevant *
Recipient pressure:	Not relevant *

#### Flammability:

Flash Point:	Non-applicable
Flammability (solid, gas):	Not relevant *
Autoignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

#### Particle characteristics:

Median equivalent diameter:	Non-applicable
-----------------------------	----------------

#### 9.2 Other information:

##### Information with regard to physical hazard classes:

Explosive properties:	Not relevant *
Oxidising properties:	Not relevant *
Corrosive to metals:	Not relevant *
Heat of combustion:	Not relevant *
Aerosols-total percentage (by mass) of flammable components:	Not relevant *

##### Other safety characteristics:

Surface tension at 25 °C:	Not relevant *
---------------------------	----------------

\*Not relevant due to the nature of the product, not providing information property of its hazards.

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 8/17



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES \*\* (continued)

Refraction index: Not relevant \*

\*Not relevant due to the nature of the product, not providing information property of its hazards.

\*\* Changes with regards to the previous version

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

#### 10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Precaution

#### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

#### 10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: TOXICOLOGICAL INFORMATION

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

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

##### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 9/17



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.  
IARC: Dichloromethane (2A); 4,4'-methylenediphenyl diisocyanate (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### E- Sensitizing effects:

- Respiratory: Prolonged exposure can result in specific respiratory hypersensitivity.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

#### F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

#### G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

#### H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### Other information:

Not relevant

#### Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	LD50 oral	7616 mg/kg	Rat
	LD50 dermal	10000 mg/kg	Rabbit
	LC50 inhalation	11 mg/L (ATEi)	
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation		
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	LD50 oral		
	LD50 dermal		
	LC50 inhalation	308,5 mg/L (4 h)	Rat
Dichloromethane CAS: 75-09-2 EC: 200-838-9	LD50 oral		
	LD50 dermal		
	LC50 inhalation	86 mg/L (4 h)	Rat
4-isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	LD50 oral	2600 mg/kg	Rat
	LD50 dermal		
	LC50 inhalation		

#### 11.2 Information on other hazards:

##### Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

##### Other information

Not relevant

#### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 10/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

**RENOLIT ALKORPLUS  
CONTACT ADHESIVE  
81140001**

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Toxicity:****Acute toxicity:**

Identification	Concentration		Species	Genus
	LC50			
Dichloromethane CAS: 75-09-2 EC: 200-838-9	LC50	330 mg/L (96 h)	Pimephales promelas	Fish
	EC50	270 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	2300 mg/L (3 h)	Chlorella vulgaris	Algae
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	LC50	1000 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	Not relevant		
	EC50	Not relevant		
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
4-isocyanatosulphonyltoluene CAS: 4083-64-1 EC: 223-810-8	LC50	597 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	Not relevant		
	EC50	Not relevant		

**Chronic toxicity:**

Identification	Concentration		Species	Genus
	NOEC			
Dichloromethane CAS: 75-09-2 EC: 200-838-9	NOEC	357 mg/L	Pimephales promelas	Fish
	NOEC	Not relevant		
4,4'-methylene-diphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	NOEC	Not relevant		
	NOEC	10 mg/L	Daphnia magna	Crustacean
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	NOEC	9,65 mg/L	Pimephales promelas	Fish
	NOEC	2,4 mg/L	Daphnia magna	Crustacean

**12.2 Persistence and degradability:****Substance-specific information:**

Identification	Degradability		Biodegradability	
Dichloromethane CAS: 75-09-2 EC: 200-838-9	BOD5	Not relevant	Concentration	100 mg/L
	COD	Not relevant	Period	28 days
	BOD5/COD	Not relevant	% Biodegradable	13 %
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BOD5	1,36 g O2/g	Concentration	100 mg/L
	COD	1,69 g O2/g	Period	14 days
	BOD5/COD	0,8	% Biodegradable	83 %

**12.3 Bioaccumulative potential:****Substance-specific information:**

Identification	Bioaccumulation potential	
Dichloromethane CAS: 75-09-2 EC: 200-838-9	BCF	6
	Pow Log	1,25
	Potential	Low
4,4'-methylene-diphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	BCF	160
	Pow Log	4,51
	Potential	High
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF	30
	Pow Log	0,73
	Potential	Moderate

**12.4 Mobility in soil:**

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 11/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Dimethyl ether CAS: 115-10-6 EC: 204-065-8	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	1,136E-2 N/m (25 °C)	Moist soil	Not relevant
Dichloromethane CAS: 75-09-2 EC: 200-838-9	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2,877E-2 N/m (25 °C)	Moist soil	Not relevant
4,4'-methylenediphenyl diisocyanate CAS: 101-68-8 EC: 202-966-0	Koc	Not relevant	Henry	Not relevant
	Conclusion	Not relevant	Dry soil	Not relevant
	Surface tension	2,068E-2 N/m (283,45 °C)	Moist soil	Not relevant
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Koc	59	Henry	13,58 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2,324E-2 N/m (25 °C)	Moist soil	Yes

#### 12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

#### 12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

#### 12.7 Other adverse effects:

Not described

#### SECTION 13: DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
16 05 04*	gases in pressure containers (including halons) containing hazardous substances	Hazardous

##### Type of waste (Regulation (EU) No 1357/2014):

HP3 Flammable, HP7 Carcinogenic

##### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

##### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

#### SECTION 14: TRANSPORT INFORMATION

##### Transport of dangerous goods by land:

With regard to NZS 5433:2021, ADR 2023 and RID 2023:

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 12/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001



Date of compilation: 16/04/2021      Revised: 14/06/2024      Version: 4 (Replaced 3)

### SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 **UN number or ID number:** UN3501
- 14.2 **UN proper shipping name:** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (Dimethyl ether)
- 14.3 **Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 **Packing group:** N/A
- 14.5 **Environmental hazards:** No
- 14.6 **Special precautions for user**  
Special regulations: 274, 659  
Tunnel restriction code: B/D  
Physico-Chemical properties: see section 9  
Limited quantities: 0
- 14.7 **Maritime transport in bulk according to IMO instruments:** Not relevant

#### Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- 14.1 **UN number or ID number:** UN3501
- 14.2 **UN proper shipping name:** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (Dimethyl ether)
- 14.3 **Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 **Packing group:** N/A
- 14.5 **Marine pollutant:** No
- 14.6 **Special precautions for user**  
Special regulations: 274, 362  
EmS Codes: F-H, S-Q  
Physico-Chemical properties: see section 9  
Limited quantities: 0  
Segregation group: Not relevant
- 14.7 **Maritime transport in bulk according to IMO instruments:** Not relevant

#### Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



- 14.1 **UN number or ID number:** UN3501
- 14.2 **UN proper shipping name:** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (Dimethyl ether)
- 14.3 **Transport hazard class(es):** 2  
Labels: 2.1
- 14.4 **Packing group:** N/A
- 14.5 **Environmental hazards:** No
- 14.6 **Special precautions for user**  
Physico-Chemical properties: see section 9
- 14.7 **Maritime transport in bulk according to IMO instruments:** Not relevant

#### 15.1 HSNO Approval:

HSR Number	Group Standard
HSR002517	Aerosols (Flammable, Carcinogenic) GroupStandard 2020

#### Applicable Legislation:

- Hazardous Substances and New Organisms Act 1996 (HSNO)
- Health and Safety at Work (Hazardous Substances) Regulations 2017
- NZS 5433 (Transport of Dangerous Goods by Land)

- CONTINUED ON NEXT PAGE -





Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 15: REGULATORY INFORMATION (continued)

Section	Description	Lower-tier requirements	Upper-tier requirements
P3a	FLAMMABLE AEROSOLS	150	500

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....)

:

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 14/17

Document generated with Chemeter ([www.siam-it.com](http://www.siam-it.com))



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001



Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 15: REGULATORY INFORMATION (continued)

Contains more than 0.1 % of 4,4'-methylenediphenyl diisocyanate by weight. This product may not be distributed in its present form for first-time sale to the general public after 27th December 2010 unless the packaging contains protective gloves meeting the provisions of Regulation (EU) 2016/425.

Shall not be used in:

—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, —tricks and jokes,  
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Contains more than 0.1 % of 4,4'-methylenediphenyl diisocyanate by weight. 1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

(a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use".

3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.

4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum:

(a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s).

(b) the training elements in points (a) and (b) of paragraph 5 for the following uses:

— handling open mixtures at ambient temperature (including foam tunnels)

— spraying in a ventilated booth

— application by roller —

application by brush

— application by dipping and pouring

— mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore

— cleaning and waste

— any other uses with similar exposure through the dermal and/or inhalation route

(c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses:

— handling incompletely cured articles (e.g. freshly cured, still warm)

— foundry applications

— maintenance and repair that needs access to equipment

— open handling of warm or hot formulations (> 45 °C)

— spraying in open air, with limited or only natural ventilation (includes large industry working halls) and spraying with high energy (e.g. foams, elastomers)

— and any other uses with similar exposure through the dermal and/or inhalation route.

5. Training elements:

(a) general training, including on-line training, on:

— chemistry of diisocyanates

— toxicity hazards (including acute toxicity)

— exposure to diisocyanates

— occupational exposure limit values

— how sensitisation can develop —

odour as indication of hazard —

importance of volatility for risk

— viscosity, temperature, and molecular weight of diisocyanates

— personal hygiene

— personal protective equipment needed, including practical instructions for its correct use and its limitations

— risk of dermal contact and inhalation exposure

— risk in relation to application process used

— skin and inhalation protection scheme

— ventilation

— cleaning, leakages, maintenance

— discarding empty packaging

— protection of bystanders

— identification of critical handling stages

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 15/17



Rely on it.

### Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation



## RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

### SECTION 15: REGULATORY INFORMATION (continued)

- specific national code systems (if applicable)
- behaviour-based safety
- certification or documented proof that training has been successfully completed
- (b) intermediate level training, including on-line training, on:
  - additional behaviour-based aspects
  - maintenance
  - management of change
  - evaluation of existing safety instructions
  - risk in relation to application process used
  - certification or documented proof that training has been successfully completed
- (c) advanced training, including on-line training, on:
  - any additional certification needed for the specific uses covered
  - spraying outside a spraying booth
  - open handling of hot or warm formulations (> 45 °C)
  - certification or documented proof that training has been successfully completed

6. The training shall comply with the provisions set by the Member State in which the industrial or professional user(s) operate. Member States may implement or continue to apply their own national requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements set out in paragraphs 4 and 5 are met.

7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into consideration the specificity of the products supplied, including composition, packaging, and design.

8. The employer or self-employed shall document the successful completion of the training referred to in paragraphs 4 and 5. The training shall be renewed at least every five years.

9. Member States shall include in their reports pursuant to Article 117(1) the following information:

- (a) any established training requirements and other risk management measures related to the industrial and professional uses of diisocyanates foreseen in national law
- (b) the number of cases of reported and recognised occupational asthma and occupational respiratory and dermal diseases in relation to diisocyanates
- (c) national exposure limits for diisocyanates, if there are any
- (d) information about enforcement activities related to this restriction.

10. This restriction shall apply without prejudice to other Union legislation on the protection of safety and health of workers at the workplace.

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation:

The product could be affected by sectorial legislation

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 94/1/EC of 6 January 1994 adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of the relating Member States to aerosol dispensers

Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers

Commission Directive 2013/10/EU of 19 March 2013 amending Council 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 COMMISSION DIRECTIVE (EU) 2016/2037 of 21 November 2016 amending Council Directive 75/324/EEC as regards the maximum allowable pressure of aerosol dispensers and 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:

The supplier has not carried out evaluation of chemical safety.

### SECTION 16: OTHER INFORMATION \*\*

#### Legislation related to safety data sheets:

\*\* Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 16/17

Document generated with Chemeter (www.siam-it.com)



Rely on it.

## Safety data sheet

This SDS is an English translation of COMMISSION REGULATION (EU) 2020/878, without any country-specific legislation

### RENOLIT ALKORPLUS CONTACT ADHESIVE 81140001



Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

#### SECTION 16: OTHER INFORMATION \*\* (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

##### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Pictograms
- Hazard statements
- Precautionary statements

Information on basic physical and chemical properties (SECTION 9):

- Flash Point

##### Texts of the legislative phrases mentioned in section 2:

H222: Extremely flammable aerosol.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

H351: Suspected of causing cancer.

H229: Pressurised container: May burst if heated.

##### Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

##### CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H332 - Harmful if inhaled.

Carc. 2: H351 - Suspected of causing cancer.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Gas 1A: H220 - Extremely flammable gas.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Press. Gas: H280 - Contains gas under pressure, may explode if heated.

Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.

STOT SE 3: H335 - May cause respiratory irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.

##### Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

##### Principal bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

##### Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

\*\* Changes with regards to the previous version

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

Date of compilation: 16/04/2021

Revised: 14/06/2024

Version: 4 (Replaced 3)

Page 17/17

Document generated with Chemeter ([www.siam-it.com](http://www.siam-it.com))