



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

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Pattex Contact Adhesive Transparent

SDS No. : 323973
V002.0

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

1.1. Product identifier

Pattex Contact Adhesive Transparent

Contains:

Acetone
Ethyl acetate
n-Butyl acetate

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

Intended use:
Plastic adhesive for films

1.3. Details of the supplier of the safety data sheet

Henkel South Africa (Pty) Ltd
C/O Mill & Iscor Streets, Bellville South,
7530 Western Cape

South Africa

Phone: +27 21 951 7011

Rodgers.Reddy@za.Henkel.com

1.4. Emergency telephone number

0800 202 202

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):


Flammable liquids	Category 2
H225 Highly flammable liquid and vapor.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Specific target organ toxicity - single exposure	Category 3
H336 May cause drowsiness or dizziness.	
Target organ: Central Nervous System	

Classification (DPD):

- F - Highly flammable
- R11 Highly flammable.
- Xi - Irritant
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:		
Signal word:	Danger	
Hazard statement:	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.	
Supplemental information	EUH066 Repeated exposure may cause skin dryness or cracking.	
Precautionary statement:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.	
Precautionary statement: Prevention	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing mist/vapours. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/eye protection.	
Precautionary statement: Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.	
Precautionary statement: Storage	P405 Store locked up.	

Label elements (DPD):

F - Highly flammable

Xi - Irritant

**Risk phrases:**

- R11 Highly flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- S2 Keep out of the reach of children.
- S16 Keep away from sources of ignition - No smoking.
- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.

2.3. Other hazards

- Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.
- Pregnant women should absolutely avoid inhalation and skin contact.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General chemical description:**

Adhesive solution

Base substances of preparation:Polyurethane
in a mixture of organic solvents**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Acetone 67-64-1	200-662-2	>= 40- < 50 %	Flammable liquids 2 H225 Serious eye irritation 2 H319 Specific target organ toxicity - single exposure 3 H336
Ethyl acetate 141-78-6	205-500-4	>= 25- < 30 %	Flammable liquids 2 H225 Specific target organ toxicity - single exposure 3 H336 Serious eye irritation 2 H319
n-Butyl acetate 123-86-4	204-658-1	>= 5- < 10 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Acetone 67-64-1	200-662-2	>= 40 - < 50 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Ethyl acetate 141-78-6	205-500-4	>= 25 - < 30 %	F - Highly flammable; R11 R66 Xi - Irritant; R36 R67
n-Butyl acetate 123-86-4	204-658-1	>= 5 - < 10 %	R10 R67 R66

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remains (intensive smarting, sensivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

Ingestion:

Rinse mouth, do not induce vomiting, consult a doctor.

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

EYE: Irritation, conjunctivitis.

Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

- Wear self-contained breathing apparatus.
- Wear protective equipment.

Additional information:

- Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes.
- Wear protective equipment.
- Ensure adequate ventilation.
- Danger of slipping on spilled product.

6.2. Environmental precautions

- Do not empty into drains / surface water / ground water.

6.3. Methods and material for containment and cleaning up

- Remove with liquid-absorbing material (sand, peat, sawdust).
- Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

- See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
- Also to be noted when processing larger amounts (> 1 kg): during processing and drying after adhesion, ventilate well. Avoid all sources of fire such as stoves and ovens. Switch off all electrical devices such as parabolic heaters, hot plates, storage heaters etc. in good time for them to have cooled down before commencing work. Avoid all sparks, including those occurring at electrical switches and devices.

Hygiene measures:

- Do not eat, drink or smoke while working.
- Wash hands before work breaks and after finishing work.

7.2. Conditions for safe storage, including any incompatibilities

- Keep only in original container.
- Close the container carefully after use and store it at a good ventilated place.
- Store protected from heat influence.
- Store frost-free.
- Temperatures between + 5 °C and + 40 °C
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

- Plastic adhesive for films

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational Exposure Limits**Valid for
South Africa

Ingredient	ppm	mg/m³	Type	Category	Remarks
ACETONE 67-64-1	750	1.780	Time Weighted Average (TWA):		ZA REL
ACETONE 67-64-1	1.500	3.560	Short Term Exposure Limit (STEL):		ZA REL
ETHYL ACETATE 141-78-6	400	1.400	Time Weighted Average (TWA):		ZA REL
BUTYL ACETATE 123-86-4	150	710	Time Weighted Average (TWA):		ZA REL
BUTYL ACETATE 123-86-4	200	950	Short Term Exposure Limit (STEL):		ZA REL

Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Acetone 67-64-1	aqua (intermittent releases)					21 mg/L	
Acetone 67-64-1	STP					100 mg/L	
Acetone 67-64-1	sediment (freshwater)					30,4 mg/kg	
Acetone 67-64-1	sediment (marine water)					3,04 mg/kg	
Acetone 67-64-1	soil					29,5 mg/kg	
Acetone 67-64-1	aqua (freshwater)					10,6 mg/L	
Acetone 67-64-1	aqua (marine water)					1,06 mg/L	
Ethyl acetate 141-78-6	aqua (freshwater)					0,26 mg/L	
Ethyl acetate 141-78-6	aqua (marine water)					0,026 mg/L	
Ethyl acetate 141-78-6	aqua (intermittent releases)					1,65 mg/L	
Ethyl acetate 141-78-6	STP					650 mg/L	
Ethyl acetate 141-78-6	sediment (freshwater)					1,25 mg/kg	
Ethyl acetate 141-78-6	sediment (marine water)					0,125 mg/kg	
Ethyl acetate 141-78-6	oral					200 mg/kg food	
Ethyl acetate 141-78-6	soil					0,24 mg/kg	
n-Butyl acetate 123-86-4	aqua (freshwater)					0,18 mg/L	
n-Butyl acetate 123-86-4	aqua (marine water)					0,018 mg/L	
n-Butyl acetate 123-86-4	aqua (intermittent releases)					0,36 mg/L	
n-Butyl acetate 123-86-4	STP					35,6 mg/L	
n-Butyl acetate 123-86-4	sediment (freshwater)					0,981 mg/kg	
n-Butyl acetate 123-86-4	sediment (marine water)					0,0981 mg/kg	
n-Butyl acetate 123-86-4	soil					0,0903 mg/kg	

Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Acetone 67-64-1	Workers	Inhalation	Acute/short term exposure - local effects		2420 mg/m ³	
Acetone 67-64-1	Workers	Dermal	Long term exposure - systemic effects		186 mg/kg bw/day	
Acetone 67-64-1	Workers	Inhalation	Long term exposure - systemic effects		1210 mg/m ³	
Acetone 67-64-1	general population	Dermal	Long term exposure - systemic effects		62 mg/kg bw/day	
Acetone 67-64-1	general population	Inhalation	Long term exposure - systemic effects		200 mg/m ³	
Acetone 67-64-1	general population	oral	Long term exposure - systemic effects		62 mg/kg bw/day	
Ethyl acetate 141-78-6	Workers	Inhalation	Acute/short term exposure - systemic effects		1468 mg/m ³	
Ethyl acetate 141-78-6	Workers	Inhalation	Acute/short term exposure - local effects		1468 mg/m ³	
Ethyl acetate 141-78-6	Workers	Dermal	Long term exposure - systemic effects		63 mg/kg	
Ethyl acetate 141-78-6	Workers	Inhalation	Long term exposure - systemic effects		734 mg/m ³	
Ethyl acetate 141-78-6	Workers	Inhalation	Long term exposure - local effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	Inhalation	Acute/short term exposure - systemic effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	Inhalation	Acute/short term exposure - local effects		734 mg/m ³	
Ethyl acetate 141-78-6	general population	Dermal	Long term exposure - systemic effects		37 mg/kg	
Ethyl acetate 141-78-6	general population	Inhalation	Long term exposure - systemic effects		367 mg/m ³	
Ethyl acetate 141-78-6	general population	oral	Long term exposure - systemic effects		4,5 mg/kg	
Ethyl acetate 141-78-6	general population	Inhalation	Long term exposure - local effects		367 mg/m ³	
n-Butyl acetate 123-86-4	Workers	Inhalation	Acute/short term exposure - systemic effects		960 mg/m ³	
n-Butyl acetate 123-86-4	Workers	Inhalation	Acute/short term exposure - local effects		960 mg/m ³	
n-Butyl acetate 123-86-4	Workers	Inhalation	Long term exposure - systemic effects		480 mg/m ³	
n-Butyl acetate 123-86-4	Workers	Inhalation	Long term exposure - local effects		480 mg/m ³	
n-Butyl acetate 123-86-4	general population	Inhalation	Acute/short term exposure - systemic effects		859,7 mg/m ³	
n-Butyl acetate 123-86-4	general population	Inhalation	Acute/short term exposure - local effects		859,7 mg/m ³	
n-Butyl acetate 123-86-4	general population	Inhalation	Long term exposure -		102,34 mg/m ³	

n-Butyl acetate 123-86-4	general population	Inhalation	systemic effects Long term exposure - local effects	102,34 mg/m ³
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Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

The product should only be used at workplaces with intensive ventilation/extraction. If intensive ventilation/extraction is not possible then self-contained independent respiratory protection should be worn.

Hand protection:

Recommended are gloves made from Nitril rubber (Material thickness >0,1 mm, Perforation time < 30s).Gloves should be replaced after each short time contact or contamination. Available at laboratory specialized trade or at pharmacies / chemist's shops.

In the case of longer contact protective gloves made from butyl rubber are recommended according to EN 374.

Perforation time > 60 minutes

material thickness > 0.7 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Suitable protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	liquid clear transparent
Odor	typical, of solvent
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	-22 °C (-7.6 °F); no method
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,885 - 0,895 g/cm ³
Bulk density	No data available / Not applicable
Viscosity (; 25 °C (77 °F))	2.000 - 2.300 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	
lower	1,2 % (V)
upper	14,3 % (V)

Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong oxidants.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

See section reactivity

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

STOT-single exposure:

May cause drowsiness or dizziness.

Inhalative toxicity:

In the event of protracted or repeated exposure, damage to health cannot be excluded.
The toxicity of the product is due to its narcotic effect after inhalation.

Skin irritation:

Repeated exposure may cause skin dryness or cracking.

Eye irritation:

Causes serious eye irritation.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acetone 67-64-1	LD50	5.800 mg/kg	oral		rat	
Ethyl acetate 141-78-6	LD50	6.100 mg/kg	oral		rat	
n-Butyl acetate 123-86-4	LD50	> 8.800 mg/kg	oral		rat	BASF Test

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acetone 67-64-1	LC50	76 mg/l	inhalation	4 h	rat	
Ethyl acetate 141-78-6	LC50	200 mg/l	inhalation	1 h	rat	
n-Butyl acetate 123-86-4	LC50	> 23,4 mg/l	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Acetone 67-64-1	LD50	> 15.688 mg/kg	dermal		rabbit	
Ethyl acetate 141-78-6	LD50	> 18.000 mg/kg	dermal		rabbit	Draize Test

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Ethyl acetate 141-78-6	not irritating	24 h	rabbit	
n-Butyl acetate 123-86-4	not irritating		rabbit	BASF Test

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Acetone 67-64-1	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Ethyl acetate 141-78-6	slightly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
n-Butyl acetate 123-86-4	not irritating		rabbit	BASF Test

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Ethyl acetate 141-78-6	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
n-Butyl acetate 123-86-4	not sensitising	Guinea pig maximisation test	guinea pig	

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Acetone 67-64-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Ethyl acetate 141-78-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
n-Butyl acetate 123-86-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Acetone 67-64-1	NOAEL=2500 ppm	oral: drinking water	13 weeks	rat	
Acetone 67-64-1	LOAEL=5000 ppm	oral: drinking water	13 weeks	rat	
Ethyl acetate 141-78-6	NOAEL=900 mg/kg	oral: gavage	90 d daily	rat	EPA Guideline
Ethyl acetate 141-78-6	LOAEL=3.600 mg/kg	oral: gavage	90 d daily	rat	EPA Guideline
Ethyl acetate 141-78-6	NOAEL=0,002 mg/l	inhalation	90 d continuous	rat	

SECTION 12: Ecological information**General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Acetone 67-64-1	LC50	8.120 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Acetone 67-64-1	EC50	6.098,4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) DIN 38412-15
Ethyl acetate 141-78-6	LC50	270 mg/l	Fish	48 h	Leuciscus idus melanotus	
Ethyl acetate 141-78-6	EC50	164 mg/l	Daphnia	48 h	Daphnia cucullata	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Ethyl acetate 141-78-6	NOEC	2.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	> 2.000 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Ethyl acetate 141-78-6	NOEC	2,4 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
n-Butyl acetate 123-86-4	LC50	62 mg/l	Fish	96 h	Leuciscus idus	DIN 38412-15
n-Butyl acetate 123-86-4	EC50	72,8 mg/l	Daphnia	24 h	Daphnia magna	
n-Butyl acetate 123-86-4	EC10	295,5 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	674,7 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Acetone 67-64-1	readily biodegradable	aerobic	81 - 92 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Ethyl acetate 141-78-6	readily biodegradable	aerobic	100 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
n-Butyl acetate 123-86-4	readily biodegradable	aerobic	98 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Acetone 67-64-1	0,24					
Ethyl acetate 141-78-6	0,6					OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
n-Butyl acetate 123-86-4	1,81				23 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Acetone 67-64-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Ethyl acetate 141-78-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
n-Butyl acetate 123-86-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

14 06 03 Other solvents and solvent mixtures

SECTION 14: Transport information**14.1. UN number**

ADR	1133
RID	1133
ADNR	1133
IMDG	1133
IATA	1133

14.2. UN proper shipping name

ADR	ADHESIVES
RID	ADHESIVES
ADNR	ADHESIVES
IMDG	ADHESIVES
IATA	Adhesives

14.3. Transport hazard class(es)

ADR	3
RID	3
ADNR	3
IMDG	3
IATA	3

14.4. Packaging group

ADR	II
RID	II
ADNR	II
IMDG	II
IATA	II

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADNR	not applicable
IMDG	Severe marine pollutant
IATA	not applicable

14.6. Special precautions for user

ADR	Special provision 640D Tunnelcode: (D/E)
RID	Special provision 640D
ADNR	Special provision 640D
IMDG	not applicable
IATA	not applicable

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**

VOC content	80,54 %
(VOCV 814.018 VOC regulation CH)	

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R10 Flammable.
- R11 Highly flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.