

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

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TEROSON EF TK 400 Foam adhesive for Roofing Membranes

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

## 1.1. Product identifier

TEROSON EF TK 400 Foam adhesive for Roofing Membranes

**1.2. Relevant identified uses of the substance or mixture and uses advised against** Intended use: Foam, 1-component with propellant gas

**1.3. Details of the supplier of the safety data sheet** Henkel AG & Co. KGaA Henkelstr. 67 40589 Düsseldorf

Germany

Phone: +49 211 797 0 Fax-no.: +49 211 798 2009

ua-productsafety.de@henkel.com

## 1.4. Emergency contact details:

Australian Supplier: Projex Group Pty Ltd Address: Unit 2/1 Military Road, Matraville NSW 2036 Phone: +61 2 8336 1666 Email: mail@projex.com.au Web: www.projex.com.au

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Flammable aerosols	Category 1
H222 Extremely flammable aerosol.	
Flammable aerosols	Category 3
H229 Pressurised container: May burst if heated.	
Skin irritation	Category 2
H315 Causes skin irritation.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	
Respiratory sensitizer	Category 1
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Carcinogenicity	Category 2
H351 Suspected of causing cancer.	
Specific target organ toxicity - single exposure	Category 3
H335 May cause respiratory irritation.	
Target organ: respiratory tract irritation	

2.2. Label elements	
Label elements (CLP):	
Hazard pictogram:	
Contains	Diphenylmethane diisocyanate, isomers and homologues
Signal word:	Danger
Hazard statement:	<ul> <li>H222 Extremely flammable aerosol.</li> <li>H229 Pressurised container: May burst if heated.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H319 Causes serious eye irritation.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H351 Suspected of causing cancer.</li> </ul>
Precautionary statement:	P102 Keep out of reach of children.
Precautionary statement: Prevention	<ul> <li>P260 Do not breathe vapours.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P280 Wear protective gloves/eye protection.</li> <li>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.</li> <li>No smoking.</li> <li>P211 Do not spray on an open flame or other ignition source.</li> <li>P251 Do not pierce or burn, even after use.</li> </ul>
Precautionary statement: Storage	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Precautionary statement: Disposal	P501 Dispose of contents/container in accordance with national regulation.

## 2.3. Other hazards

Information according to XVII. 56 REACH

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

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.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

General chemical description: 1-Component PU foam in pressurized can Base substances of preparation: Polyurethane prepolymer With free 4,4'-methylenediphenyl diisocyanate (MDI) Dimethyl ether

## Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EC Number	content	Classification
CAS-No.	REACH-Reg No.		
1,1-Difluoroethane	200-866-1	10- 20 %	Flam. Gas 1
75-37-6	01-2119474440-43		H220
			Press. Gas
Polymethylenepolyphenyl polyisocyanate		5-< 10 %	Carc. 2
9016-87-9			H351
			Acute Tox. 4; Inhalation
			H332
			STOT RE 2
			H373
			Eye Irrit. 2
			H319
			STOT SE 3
			H335
			Skin Irrit. 2
			H315
			Resp. Sens. 1
			H334
			Skin Sens. 1
			H317
Dimethyl ether	204-065-8	5- < 10 %	Flam. Gas 1
115-10-6	01-2119472128-37		H220
			Press. Gas
			H280

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.

## **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. Delayed effects possible after inhalation.

Skin contact:

Fresh foam : Wipe off affected skin area immediately with a soft cloth and then remove residues with vegetable oil; apply skin care product. Cured foam can be removed only mechanically.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity 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

May cause an allergic skin reaction.

Causes serious eye irritation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Redness, inflammation.

**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 fire, isocyanate vapors may be formed.

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) 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

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

#### 6.2. Environmental precautions

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

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

Remove mechanically. 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.

Transport by automobile: leave the container wrapped in a cloth in the trunk, never in the passenger area.

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. Avoid skin and eye contact.

#### Hygiene measures:

Do not eat, drink or smoke while working. Wash hands before work breaks and after finishing work. Remove any dirt that gets onto the skin with vegetable oil; skin care.

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

For pressurized can: protect from direct sunshine and temperatures above 50°C. Store in a cool, dry place.

Ensure that storage and workrooms are adequately ventilated.

Avoid strictly temperatures below - 20 °C and above + 50 °C.

Protect from direct sunlight.

Storage at 5 to 25°C is recommended.

Do not store or use near heat, spark, open flame or other sources of ignition.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

Do not store together with oxidants.

Do not store together with flammable solutions.

**7.3. Specific end use(s)** Foam, 1-component with propellant gas

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## **Occupational Exposure Limits**

Valid for

Germany

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Dimethyl ether 115-10-6 [DIMETHYLETHER]	1.000	1.920	Time Weighted Average (TWA):	Indicative	ECTLV
Dimethyl ether 115-10-6	1.000	1.900	Exposure limit(s):	8	TRGS 900
Dimethyl ether 115-10-6			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
4,4'-Methylenediphenyl diisocyanate 9016-87-9		0,05	Exposure limit(s):	=2= If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
4,4'-Methylenediphenyl diisocyanate 9016-87-9			STEL (Short Term Exposure Limit) factor:	1 Substance listed with both Peak factor and STEL factor. The Peak factor is supplied with the AGW values.	TRGS 900
4,4'-Methylenediphenyl diisocyanate 9016-87-9			Skin designation:	Can be absorbed through the skin.	TRGS 900
4,4'-Methylenediphenyl diisocyanate 9016-87-9			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900

## Predicted No-Effect Concentration (PNEC):

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
1,1-Difluoroethane	aqua		0,048 mg/l				
75-37-6	(freshwater)		_				
1,1-Difluoroethane	aqua (marine		0,0048				
75-37-6	water)		mg/l				
1,1-Difluoroethane	aqua		0,48 mg/l				
75-37-6	(intermittent		_				
	releases)						
1,1-Difluoroethane	sediment				0,19 mg/kg		
75-37-6	(freshwater)						
1,1-Difluoroethane	sediment				0,019		
75-37-6	(marine water)				mg/kg		
1,1-Difluoroethane	Soil				0,141		
75-37-6					mg/kg		
Dimethyl ether	aqua		0,155 mg/l				
115-10-6	(freshwater)						
Dimethyl ether	sediment				0,681		
115-10-6	(freshwater)				mg/kg		
Dimethyl ether	Soil				0,045		
115-10-6					mg/kg		
Dimethyl ether	sewage		160 mg/l				
115-10-6	treatment plant						
	(STP)						
Dimethyl ether	aqua (marine		0,016 mg/l				
115-10-6	water)						
Dimethyl ether	aqua		1,549 mg/l				
115-10-6	(intermittent						
	releases)						
Dimethyl ether	sediment				0,069		
115-10-6	(marine water)				mg/kg		

## Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
1,1-Difluoroethane 75-37-6	Workers	Inhalation	Long term exposure - systemic effects		2713 mg/m3	
1,1-Difluoroethane 75-37-6	General population	Inhalation	Long term exposure - systemic effects		675 mg/m3	
Dimethyl ether 115-10-6	Workers	inhalation	Long term exposure - systemic effects		1894 mg/m3	
Dimethyl ether 115-10-6	General population	inhalation	Long term exposure - systemic effects		471 mg/m3	

## **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:

Use attached gloves. Perforation time < 5 minutes.

Eye protection: Goggles which can be tightly sealed. Protective eye equipment should conform to EN166.

Skin protection: Suitable protective clothing Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## **SECTION 9: Physical and chemical properties**

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

9.1. Information on basic physical and chemical	
Appearance	pressurized can
	liquid
	orange
Odor	ether-like
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Melting point	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Initial boiling point	-42 °C (-43.6 °F)
Flash point	-104 °C (-155.2 °F)
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	r i
lower	0,40 %(V)
upper	32 %(V)
Vapour pressure	No data available / Not applicable
Relative vapour density:	No data available / Not applicable
Density	1 g/ml
(20 °C (68 °F))	- 8
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative)	Reacts slowly with water to liberate carbon dioxide gas.
(23 °C (73.4 °F))	,
Solubility (qualitative)	Insoluble
(20 °C (68 °F); Solvent: Water)	
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	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

Reaction with water, formation of CO2 Pressure build-up in closed containers. Reaction with water, alcohols, amines.

## 10.2. Chemical stability

Stable under recommended storage conditions.

#### **10.3.** Possibility of hazardous reactions

See section reactivity

#### 10.4. Conditions to avoid

Humidity Temperatures over appr. 50 °C

#### **10.5. Incompatible materials**

See section reactivity.

## 10.6. Hazardous decomposition products

At higher temperatures isocyanate may be released. Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!

## **SECTION 11: Toxicological information**

#### General toxicological information:

Persons suffering from allergic reactions to isocyanates should avoid contact with the product. Cross-reactions with other isocyanate compounds are possible.

## 11.1. Information on toxicological effects

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Polymethylenepolyphenyl polyisocyanate 9016-87-9	LD50	> 10.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Polymethylenepolyphenyl polyisocyanate 9016-87-9	LD50	> 9.400 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)

## Acute 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.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
1,1-Difluoroethane 75-37-6	LC50	> 437500 ppm		4 h	rat	not specified
Dimethyl ether 115-10-6	LC50	164000 ppm		4 h	rat	not specified

#### Skin corrosion/irritation:

Causes skin irritation.

No substance data available.

## Serious eye damage/irritation:

Causes serious eye irritation.

No substance data available.

## Respiratory or skin sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

No substance data available.

## Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result	Type of study /	Metabolic	Species	Method
CAS-No.		Route of	activation /		
		administration	Exposure time		
1,1-Difluoroethane	negative	bacterial reverse	with and without		OECD Guideline 471
75-37-6		mutation assay (e.g			(Bacterial Reverse Mutation
		Ames test)			Assay)
Dimethyl ether	negative	bacterial reverse	with and without		not specified
115-10-6		mutation assay (e.g			
		Ames test)			
1,1-Difluoroethane	negative	inhalation: gas		rat	OECD Guideline 474
75-37-6					(Mammalian Erythrocyte
					Micronucleus Test)

## Carcinogenicity

Suspected of causing cancer

No substance data available.

## **Reproductive toxicity:**

No data available.

## STOT-single exposure:

May cause respiratory irritation.

No substance data available.

## STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Polymethylenepolyphenyl polyisocyanate 9016-87-9	NOAEL 0,0002 mg/l	inhalation: aerosol	2 y 6 h per d, 5 d per week	rat	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Dimethyl ether 115-10-6	NOAEL > 10000 ppm	inhalation	4 week 6 hours/day, 5 days/week	rat	not specified

## Aspiration hazard:

No data available.

## **SECTION 12: Ecological information**

## General ecological information:

Do not empty into drains, soil or bodies of water.

## 12.1. Toxicity

## Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,1-Difluoroethane	LC50	356 mg/l	48 h	Leuciscus idus melanotus	DIN 38412-15
75-37-6		-			
Polymethylenepolyphenyl	LC50	> 1.000 mg/l	96 h	Danio rerio	OECD Guideline 203 (Fish,
polyisocyanate		_			Acute Toxicity Test)
9016-87-9					
Dimethyl ether	LC50	> 4.000 mg/l	96 h	Poecilia reticulata	OECD Guideline 203 (Fish,
115-10-6					Acute Toxicity Test)

## Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,1-Difluoroethane	EC50	146,695 mg/l	48 h	Daphnia sp.	not specified
75-37-6					
Dimethyl ether	EC50	> 4.000 mg/l	48 h	Daphnia magna	OECD Guideline 202
115-10-6					(Daphnia sp. Acute
					Immobilisation Test)

## Chronic toxicity to aquatic invertebrates

No data available.

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,1-Difluoroethane	EC50	> 433 mg/l	96 h	Selenastrum capricornutum	OECD Guideline 201 (Alga,
75-37-6		-		(new name: Pseudokirchneriella	Growth Inhibition Test)
				subcapitata)	
Dimethyl ether	EC50	> 1.000 mg/l	72 h	not specified	OECD Guideline 201 (Alga,
115-10-6		_			Growth Inhibition Test)

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
1,1-Difluoroethane 75-37-6	EC0	135 mg/l	16 h		not specified
Dimethyl ether 115-10-6	EC10	> 1.600 mg/l	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption test)

## 12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Dimethyl ether 115-10-6	not readily biodegradable.	aerobic	5 %	28 d	EU Method C.4-A (Determination of the "Ready" BiodegradabilityDissolved Organic Carbon (DOC) Die-Away Test)

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

Hazardous substances	LogPow	Temperature	Method
CAS-No. 1,1-Difluoroethane	0,75		not specified
75-37-6			•
Dimethyl ether 115-10-6	0,07	25 °C	QSAR (Quantitative Structure Activity Relationship)

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

Hazardous substances	PBT / vPvB
CAS-No.	
1,1-Difluoroethane	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
75-37-6	Bioaccumulative (vPvB) criteria.
Dimethyl ether	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very
115-10-6	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.

Empty PU foam canisters should be returned in the original carton to PDR GmbH, D-95449 Thurnau (free of charge collection service under tel.: 0800-783 6736, Fax: 0800-783 6737, Germany) for recycling. Individual containers should be disposed of at communal collection points.

Waste code

160504 gases in pressure containers (including halons) containing dangerous substances

## **SECTION 14: Transport information**

14.1.	UN numbe	r
	ADR	1950
	RID	1950
	ADN	1950
	IMDG	1950
	IATA	1950
14.2.	UN proper	shipping name
	ADR	AEROSOLS
	RID	AEROSOLS
	ADN	AEROSOLS
	IMDG	AEROSOLS
	IATA	Aerosols, flammable
14.3.	<b>Transport</b>	hazard class(es)
	ADR	2.1
	RID	2.1
	ADN	2.1
	IMDG	2.1
	IATA	2.1
14.4.	Packing gr	oup
	ADR	
	RID	
	ADN	
	IMDG	
	IATA	
14.5.	Environme	ental hazards
	ADR	not applicable
	RID	not applicable
	ADN	not applicable
	IMDG	not applicable
	IATA	not applicable
14.6.	Special pre	ecautions for user
	ADR	not applicable
		Tunnelcode: (D)
	RID	not applicable
	ADN	not applicable
	IMDG IATA	not applicable not applicable
14.7.		in bulk according to Annex II of Marpol and the IBC Code
-		
	not applicat	bie
		SECTION 15: Regulatory information

# **SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** VOC content 9,5 %

VOC content (VOCV 814.018 VOC regulation CH) None

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

#### National regulations/information (Germany):

BG regulations, rules, infos:

BG data sheet: BGI 524 Hazardous substances: polyurethane production and processing / isocyanates (M 044) BG regulation: BGV B 1 Handling hazardous substances Storage class according to TRGS 510: 2B

General remarks (DE):

## **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:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

## **Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (ua-productsafety.de@henkel.com) prior to export to other territories than the European Union.

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.