

according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 1 of 13

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

1.1. Product identifier

Rhepanol-Kleber 90

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

Use of the substance/mixture

adhesives

Uses advised against

Only use for the intended purpose.

The product is intended for professional use.

1.3. Details of the supplier of the safety data sheet

Company name: FDT Flachdach Technologie GmbH & Co. KG

Street: Eisenbahnstraße 6-8
Place: D-68199 Mannheim
Telephone: +49 (621) 8504100

Telephone: +49 (621) 8504100 Telefax: +49 (621) 8504200

e-mail: kundenservice@fdt.de

Contact person: Marco Anderer Telephone: +49 (621) 8504563

e-mail: marco.anderer@fdt.de Internet: http://www.fdt.de

Responsible Department: Arbeitssicherheit und Umweltschutz

1.4. Emergency telephone Poison Control Center (Mayence, GER)

number: +49 (0)6131-19240 (24h - de, en)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2 Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3 Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazardous components which must be listed on the label

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

 $Hydrocarbons, \ C6-C7, \ n-alkanes, \ isoalkanes, \ cyclics, \ <5\% \ n-hexane$

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Signal word: Danger

Pictograms:









according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 2 of 13

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 Dispose of contents/container in accordance with national disposal regulations.

2.3. Other hazards

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 3 of 13

Hazardous components

CAS No	Chemical name	Quantity				
	EC No	Index No	REACH No			
	Classification according to Regula					
	Hydrocarbons, C6-C7, isoalkanes,	cyclics, <5% n-hexane		10-<24 %		
	926-605-8		01-2119486291-36			
	Flam. Liq. 2, STOT SE 3, Asp. Tox	. 1, Aquatic Chronic 2; H	225 H336 H304 H411			
	Hydrocarbons, C7, n-alkanes, isoa	lkanes, cyclics		2,5-<10 %		
	927-510-4		01-2119475515-33			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE H411	3, Asp. Tox. 1, Aquatic C	Chronic 2; H225 H315 H336 H304			
	Hydrocarbons, C6-C7, n-alkanes,	isoalkanes, cyclics, <5%	n-hexane	1-<5 %		
	921-024-6		01-2119475514-35			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE H411					
	Hydrocarbons, C6, isoalkanes, <5	1-<5 %				
	931-254-9		01-2119484651-34			
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1; H225 H336 H304					
110-82-7	cyclohexane	1-<5 %				
	203-806-2	601-017-00-1	01-2119463273-41			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE H336 H304 H400 H410					
1314-13-2	zinc oxide			1-<5 %		
	215-222-5	030-013-00-7				
	Aquatic Acute 1 (M-Factor = 1), Ac					
110-54-3	n-hexane	0,5-<1,5 %				
	203-777-6	601-037-00-0	01-2119480412-44			
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, 9 H361f H315 H336 H373 H304 H4					

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of troubles or persistent symptoms, consult an doctor/physician.

Remove persons from danger area and lie them down. Never orally infuse something to an unconscious person. No special first aid measures necessary. A vomiting, supine person must be brought into recovery position.

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of irregular breathing or respiratory arrest, perform artificial respiration.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Subsequently wash off with:

Polyethylene glykol 400. Change contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.





according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 4 of 13

After ingestion

Rinse mouth, spit liquid again. Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Call a physician immediately.

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

After skin contact: Irritation and reddening. May cause drowsiness or dizziness.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Sand. Extinguishing powder. Water spray. Fight larger fires with water spray jet or alcohol-resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to harmful gases and vapours.

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings. Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

6.4. Reference to other sections

Safe handling: see section 7

Personal precautions: refer to section 8.

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations. Handle and open container with care.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities





according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 5 of 13

Requirements for storage rooms and vessels

Store only in original container. Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

adhesives

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
110-82-7	Cyclohexane	100	350		TWA (8 h)	WEL
		300	1050		STEL (15 min)	WEL
110-54-3	n-Hexane	20	72		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 6 of 13

DNEL/DMEL values

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	CAS No	Substance			
1301 mg/kg 1377 mg/kg 137	DNEL type		Exposure route	Effect	Value
bw/day 1377 mg/kg bw/day Vorker DNEL, long-term dermal 13964 mg/kg bw/day bw/		Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexar	ie .		
bw/day 13864 mg/kg 13864	Consumer DN	EL, long-term	oral		
bw/dey	Consumer DN	EL, long-term	dermal		
Norker DNEL, long-term Inhalation S306 mg/m²	Worker DNEL,	long-term	dermal		
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics 149 mg/kg bw/da 149 mg/kg bw/	Consumer DN	EL, long-term	inhalation		1131 mg/m³
149 mg/kg bw/da 149 mg/kg	Worker DNEL,	long-term	inhalation		5306 mg/m³
149 mg/kg bw/da 147 mg/m³ 147 mg/m³ 147 mg/m³ 149 mg/kg bw/da 147 mg/m³ 147 mg/kg bw/da 147 mg/m³ 147 mg/kg bw/da 147 mg/m³ 147 mg/kg bw/da 147 mg/m³ 147 mg/kg bw/da 147 mg/m³ 147		Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			
Vorker DNEL, long-term dermal 300 mg/kg bw/da 477 mg/m³ Vorker DNEL, long-term inhalation 477 mg/m³ 477 mg/m³ 478 mg/kg bw/da 479 mg/kg	Consumer DN	EL, long-term	oral		149 mg/kg bw/day
Inhalation A77 mg/m²	Consumer DN	EL, long-term	dermal		149 mg/kg bw/day
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Consumer DNEL, long-term Con	Worker DNEL,	long-term	dermal		300 mg/kg bw/day
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Consumer DNEL, long-term Con	Consumer DN	EL, long-term	inhalation		477 mg/m³
Description	Worker DNEL,	long-term	inhalation		2085 mg/m³
Vorker DNEL, long-term dermal 773 mg/kg bw/da Vorker DNEL, long-term inhalation 608 mg/m³ Vorker DNEL, long-term inhalation 2035 mg/m³ Consumer DNEL, long-term oral 699 mg/kg bw/da Consumer DNEL, long-term oral 1301 mg/kg bw/day Consumer DNEL, long-term dermal 1377 mg/kg bw/day Consumer DNEL, long-term dermal 13964 mg/kg bw/day Consumer DNEL, long-term inhalation 1137 mg/m³ Consumer DNEL, long-term inhalation 1137 mg/m³ Consumer DNEL, long-term inhalation 5306 mg/m³ Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³		Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <	5% n-hexane		
Consumer DNEL, long-term inhalation 2035 mg/m³ Consumer DNEL, long-term oral 699 mg/kg bw/da Hydrocarbons, C6, isoalkanes, <5% n-hexane Consumer DNEL, long-term oral 1301 mg/kg bw/day Consumer DNEL, long-term dermal 1377 mg/kg bw/day Consumer DNEL, long-term dermal 13964 mg/kg bw/day Consumer DNEL, long-term inhalation 1137 mg/m³ Consumer DNEL, long-term inhalation 5306 mg/m³ 314-13-2 zinc oxide Consumer DNEL, long-term oral 0,83 mg/kg bw/day Consumer DNEL, long-term dermal 83,3 mg/kg bw/day Consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	dermal		699 mg/kg bw/day
Vorker DNEL, long-term inhalation 2035 mg/m³ Consumer DNEL, long-term oral 699 mg/kg bw/da Hydrocarbons, C6, isoalkanes, <5% n-hexane	Worker DNEL, long-term		dermal		773 mg/kg bw/day
Consumer DNEL, long-term oral 699 mg/kg bw/da Hydrocarbons, C6, isoalkanes, <5% n-hexane Consumer DNEL, long-term oral 1301 mg/kg bw/day Consumer DNEL, long-term dermal 1377 mg/kg bw/day Consumer DNEL, long-term dermal 13964 mg/kg bw/day Consumer DNEL, long-term inhalation 1137 mg/m³ Store DNEL, long-term inhalation 5306 mg/m³ 314-13-2 zinc oxide Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	inhalation		608 mg/m³
Hydrocarbons, C6, isoalkanes, <5% n-hexane Consumer DNEL, long-term Oral 1301 mg/kg bw/day Consumer DNEL, long-term dermal 1377 mg/kg bw/day Vorker DNEL, long-term dermal 13964 mg/kg bw/day Consumer DNEL, long-term inhalation 1137 mg/m³ Vorker DNEL, long-term inhalation 5306 mg/m³ 314-13-2 zinc oxide Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal inhalation 2,5 mg/m³	Worker DNEL,	long-term	inhalation		2035 mg/m³
1301 mg/kg 1377 mg/kg 137	Consumer DN	EL, long-term	oral		699 mg/kg bw/day
bw/day Consumer DNEL, long-term dermal dermal 1377 mg/kg bw/day Vorker DNEL, long-term dermal 13964 mg/kg bw/day Consumer DNEL, long-term inhalation 1137 mg/m³ Sole mg/m³ 314-13-2 zinc oxide Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³		Hydrocarbons, C6, isoalkanes, <5% n-hexane			
bw/day Vorker DNEL, long-term Consumer DNEL, long-term inhalation 1137 mg/m³ Vorker DNEL, long-term inhalation 5306 mg/m³ 314-13-2 zinc oxide Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	oral		
bw/day Consumer DNEL, long-term inhalation inhalation 5306 mg/m³ 2114-13-2 zinc oxide Consumer DNEL, long-term oral consumer DNEL, long-term dermal Vorker DNEL, long-term dermal consumer DNEL, long-term dermal consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	dermal		
Vorker DNEL, long-term inhalation 5306 mg/m³ 314-13-2 zinc oxide consumer DNEL, long-term oral 0,83 mg/kg bw/da consumer DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da consumer DNEL, long-term inhalation 2,5 mg/m³	Worker DNEL,	long-term	dermal		
2007 2007 314-13-2 zinc oxide	Consumer DN	EL, long-term	inhalation		1137 mg/m³
Consumer DNEL, long-term oral 0,83 mg/kg bw/da Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³	Worker DNEL,	long-term	inhalation		5306 mg/m³
Consumer DNEL, long-term dermal 83,3 mg/kg bw/da Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³	1314-13-2	zinc oxide			
Vorker DNEL, long-term dermal 83,3 mg/kg bw/da Consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	oral		0,83 mg/kg bw/day
Consumer DNEL, long-term inhalation 2,5 mg/m³	Consumer DN	EL, long-term	dermal		83,3 mg/kg bw/day
	Worker DNEL,	long-term	dermal		83,3 mg/kg bw/day
Vorker DNEL, long-term inhalation 5 mg/m³	Consumer DN	EL, long-term	inhalation		2,5 mg/m³
	Worker DNEL,	long-term	inhalation		5 mg/m³



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 7 of 13

PNEC values

CAS No	Substance				
Environmental compartment Value					
1314-13-2 zinc oxide					
Freshwater 0,02 mg/l					
Marine water		0,06 mg/l			
Soil :		35,6 mg/kg			
Marine sedime	56,5 mg/kg				
Freshwater sediment		117,8 mg/kg			
Micro-organism	0,05 mg/l				

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Avoid skin, eye and clothing contact. After contact with skin, wash immediately with plenty of water and soap or a suitable cleaning agent.

Eye/face protection

Under normal usage conditions, not necessary.

Hand protection

Protect skin by using skin protective cream. Wear suitable gloves.

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: NBR (Nitrile rubber).

Skin protection

Full cover clothing covering arms and legs.

Respiratory protection

Use protective filter mask in case of short-term and low exposure; in case of intense or longer exposure, use respiratory protection device operating independently from circulating air.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: paste-like
Colour: white
Odour: like: Gasoline

Test method

pH-Value: not determined

Changes in the physical state

Melting point:

Initial boiling point and boiling range:

75 °C

Flash point:

-18 °C

Flammability

Gas: not determined



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 8 of 13

Lower explosion limits: 1,2 vol. %
Upper explosion limits: 8,3 vol. %
Ignition temperature: 260 °C

Auto-ignition temperature

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

not determined

Vapour pressure: 115 hPa

(at 20 °C)

Density (at 20 °C): 1,00 g/cm³ EN ISO 2811

Water solubility: insoluble Partition coefficient: not determined

Viscosity / dynamic: 15500 mPa·s ISO 2555

(at 20 °C)

Vapour density: not determined Solvent content: not determined

9.2. Other information

No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactivity under regular conditions.

10.2. Chemical stability

The product is stable under regular conditions.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name						
	Exposure routes	Method	Dose	Species	Source		
1314-13-2	zinc oxide						
	oral	LD50	> 5000 mg/kg	Rat			

Irritation and corrosivity

Causes skin irritation.



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 9 of 13

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane), (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics), (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane), (Hydrocarbons, C6, isoalkanes, <5% n-hexane), (cyclohexane), (n-hexane)

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name							
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source		
1314-13-2	zinc oxide							
	Acute fish toxicity	LC50	1,31 mg/l		Oncorhynchus mykiss (Rainbow trout)			
	Acute algae toxicity	ErC50	0,21 mg/l		Pseudokirchneriella subcapitata			
	Acute crustacea toxicity	EC50	2,2 mg/l	48 h	Daphnia magna			
	Algea toxicity	NOEC	0,04 mg/l		Pseudokirchneriella subcapitata			
110-54-3	n-hexane							
	Acute fish toxicity	LC50	2,5 mg/l	96 h	Pimephales promelas	Geiger et al. 1990		

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
110-54-3	n-hexane	3,9

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The components in this mixture do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Disposal according to official regulations.

Consult the local waste disposal expert about waste disposal. According to EAKV, allocation of waste identity



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 10 of 13

numbers/waste descriptions must be carried out in a specific way for every industry and process.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products);

waste adhesives and sealants containing organic solvents or other hazardous substances

Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances

Classified as hazardous waste.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:UN 113314.2. UN proper shipping name:Adhesives

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1
Special Provisions: 640H
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 33
Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number:UN 113314.2. UN proper shipping name:Adhesives

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1
Special Provisions: 640H
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 1133



according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 11 of 13

14.2. UN proper shipping name: Adhesives

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Marine pollutant:

Special Provisions:

Limited quantity:

Excepted quantity:

EmS:

Ja

223, 955

Limited quantity:

5 L

E1

EnS:

F-E, S-D

Air transport (ICAO)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Special Provisions:

Limited quantity Passenger:

Passenger LQ:

Excepted quantity:

A3

10 L

Y344

Excepted quantity:

E1

IATA-packing instructions - Passenger:355IATA-max. quantity - Passenger:60 LIATA-packing instructions - Cargo:366IATA-max. quantity - Cargo:220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

No special precautions known.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2004/42/EC (VOC): 36,09% 375,4g/l

Additional information

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable

Regulation (EC) No. 648/2004 (Detergents regulation): not applicable





according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 12 of 13

REGULATION (EC) No 850/2004 on persistent organic pollutants: not applicable

REGULATION (EC) No 689/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

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

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hydrocarbons, C6, isoalkanes, <5% n-hexane

cyclohexane

n-hexane

SECTION 16: Other information

Changes

Version 1.00 - Creation - 24.01.2013

Version 1,01 - Classification/Labeling according Regulation No.1272/2008 (GHS/CLP) and general revision - 24.06.2015

Version 1,02 - Change and revision of the SDS because of new information / recipe - 02.09.2015

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

BImSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act

CAS: Chemical Abstracts Service

EC: Effective Concentration

EG: European Community (Europäische Gemeinschaft)

EN: European Norm

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk

ICAO: International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

CLP: Classification, Labeling, Packaging

IUCLID: International Uniform Chemical Information Database

LC: Lethal concentration

LD: Lethal dose

log Kow: Octanol/water partition coefficient

MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships

OECD: Organisation for Economic Co-operation and Development

PBT: Persistent, bio-cumulative, toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

TRGS: Technische Regeln für Gefahrstoffe

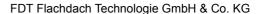
VOC: Volatile Organic Compounds

vPvB: very persistent and very bio-cumulative

VwVwS: Administrative Regulation for Water Pollutants

WGK: German Water Hazard Class

GHS: Globally Harmonized System of Classification and Labelling of Chemicals





according to Regulation (EC) No 1907/2006

Rhepanol-Kleber 90

Print date: 15.09.2015 Product code: RCSO-FDT-004 Page 13 of 13

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value STOT: Specific Target Organ Toxicity

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility.

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

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H411 Toxic to aquatic life with long lasting effects.

Further Information

The information given in this safety data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The safety data sheet was generated upon information of pre-suppliers by:

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)