

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Rhepanol - solvent welding agent

Print date: 11.12.2015

Product code: RCSO-FDT-031

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

### 1.1. Product identifier

Rhepanol - solvent welding agent

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

#### Use of the substance/mixture

sealant

#### 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	Telefax:	+49 (621) 8504200
e-mail:	kundenservice@fdt.de		
Contact person:	Marco Anderer	Telephone:	+49 (621) 8504563
e-mail:	marco.anderer@fdt.de		
Internet:	<a href="http://www.fdt.de">http://www.fdt.de</a>		
Responsible Department:	Arbeitssicherheit und Umweltschutz		

### 1.4. Emergency telephone number:

Poison Control Center (Mayence, GER)  
+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

Acute toxicity: Acute Tox. 4

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

May be fatal if swallowed and enters airways.

Harmful in contact with skin or if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

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#### Hazard components for labelling

xylene  
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
ethylbenzene  
butanone; ethyl methyl ketone

**Signal word:** Danger

#### Pictograms:



#### Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
1330-20-7	xylene			25-<50 %
	215-535-7	601-022-00-9	01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H312 H332 H315 H319 H335 H373 H304			
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			25-<50 %
	921-024-6		01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
100-41-4	ethylbenzene			5-<15 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H332 H315 H319 H335 H373 H304			
78-93-3	butanone; ethyl methyl ketone			2,5-<10 %
	201-159-0	606-002-00-3	01-2119457290-43	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

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

#### Further Information

There is the following note: The classification of "Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane" as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1 wt% benzene (EINECS No 200-753-7). If the substance is not classified as a carcinogen, so at least the safety (102) -260-262-301 + 310-331 (Table 3.1) or the S phrases (2) -23-24-62 (Table 3.2) apply. This note applies only to certain complex oil-derived substances in Part 3 of this regulation.

### 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.

Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

##### 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

In case of skin contact, wash immediately with large quantities of water/polyethylene glycol 400 (Roticlean). 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. Call a physician immediately.

##### After ingestion

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

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

Harmful in contact with skin or if inhaled.  
May be fatal if swallowed and enters airways.  
Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.  
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 (CO<sub>2</sub>). Sand. Extinguishing powder. Water spray. Fight larger fire 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**

Vapours may form explosive mixtures with air. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Possible ignition over greater distances. Floats to the top and may ignite again. It may produce hazardous fumes like carbon monoxide or carbon dioxide.

#### **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. Contaminated fire-fighting water must be collected separately.

### 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**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
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.  
Do not rinse with water or watery detergents.

#### **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.  
Avoid the formation of aerosol.

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#### 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

##### 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)

sealant

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

##### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1330-20-7	xylene			
Worker DNEL, acute		inhalation	systemic	289 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	77 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	180 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	174 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	14,8 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	108 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,6 mg/kg bw/day
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Worker DNEL, long-term		dermal		300 mg/kg bw/day
Worker DNEL, long-term		inhalation		2085 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral		149 mg/kg bw/day
Consumer DNEL, long-term		dermal		149 mg/kg bw/day
Consumer DNEL, long-term		inhalation		447 mg/m <sup>3</sup>
100-41-4	ethylbenzene			
Worker DNEL, acute		inhalation	systemic	289 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	systemic	77 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	180 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	174 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	14,8 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	108 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,6 mg/kg bw/day
78-93-3	butanone; ethyl methyl ketone			
Worker DNEL, long-term		dermal	systemic	1161 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	600 mg/m <sup>3</sup>
Consumer DNEL, acute		dermal	local	412
Consumer DNEL, long-term		inhalation	systemic	106 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	31 mg/kg bw/day

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#### PNEC values

CAS No	Substance	
Environmental compartment		Value
1330-20-7	xylene	
Freshwater		0,327 mg/l
Marine water		0,327 mg/l
Freshwater (intermittent releases)		0,327 mg/l
Micro-organisms in sewage treatment plants (STP)		6,58 mg/l
Marine sediment		12,46 mg/kg
Freshwater sediment		12,46 mg/kg
Soil		2,31 mg/kg
78-93-3	butanone; ethyl methyl ketone	
Freshwater		55,8 mg/l
Marine water		55,8 mg/l
Micro-organisms in sewage treatment plants (STP)		709 mg/l
Soil		22,5 mg/kg

#### 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

Tightly fitting safety glasses with side shields.

##### 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: PVA (Polyvinyl alcohol). FKM (fluororubber).

penetration time (maximum wearing period): >480 minutes

Coating thickness: >0,4mm

##### 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.

Recommended filtering device for short-term use:

Gas filter device according to EN 14387 Type A (organic gas/vapors, boiling point >65°C), code color: brown

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
 Colour: colourless  
 Odour: characteristic

#### Test method

pH-Value: not determined

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#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	80 °C
Flash point:	-9 °C

#### Flammability

Gas:	not determined
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#### Explosive properties

The product is not explosive, however, formation of explosive mixtures are possible.

Lower explosion limits:	0,6 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	270 °C

#### Auto-ignition temperature

Gas:	not determined
Decomposition temperature:	not determined

#### Oxidizing properties

not determined

Vapour pressure: (at 20 °C)	95 hPa
Density (at 20 °C):	0,8 g/cm <sup>3</sup> DIN 53217
Water solubility:	insoluble
Partition coefficient:	not determined
Viscosity / dynamic: (at 20 °C)	0,6 mPa·s ISO 2555
Solvent content:	100%

#### 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

Avoid heat, sparks, open flames and other ignition sources. Electrostatic charges.

#### 10.5. Incompatible materials

Oxidizing agents, strong. acid.

#### 10.6. Hazardous decomposition products

It may produce hazardous fumes like carbon monoxide or carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Harmful in contact with skin or if inhaled.



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#### ATEmix calculated

ATE (dermal) 1421,9 mg/kg; ATE (inhalative vapour) 18,49 mg/l; ATE (inhalative aerosol) 2,312 mg/l

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
1330-20-7	xylene				
	oral	LD50	>2000 mg/kg	Rat	
	dermal	LD50	12126 mg/kg	Rabbit	
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
	oral	LD50	>5000 mg/kg	Rat	
	dermal	LD50	>1999 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	>23,2 mg/l	Rat	
100-41-4	ethylbenzene				
	oral	LD50	3500 mg/kg	Rat	GESTIS
	dermal	LD50	15354 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50	17,2-55 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
78-93-3	butanone; ethyl methyl ketone				
	oral	LD50	>2193 mg/kg	Rat	OECD 423
	dermal	LD50	>5000 mg/kg	Rabbit	OECD 402
	inhalative (4 h) vapour	LC50	34 mg/l	Rat	

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

#### Sensitising effects

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

#### STOT-single exposure

May cause respiratory irritation. (xylene), (ethylbenzene)

May cause drowsiness or dizziness. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane), (butanone; ethyl methyl ketone)

#### Severe effects after repeated or prolonged exposure

May cause damage to organs through prolonged or repeated exposure. (xylene), (ethylbenzene)

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
1330-20-7	xylene					
	Acute fish toxicity	LC50	7,6 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	4,7 mg/l		Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	3,82 mg/l	48 h	Daphnia magna (Big water flea)	
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane					
	Acute fish toxicity	LC50	>1-<=10 mg/l	96 h		
	Acute crustacea toxicity	EC50	>1-<=10 mg/l	48 h		
100-41-4	ethylbenzene					
	Acute fish toxicity	LC50	12,1 mg/l	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50	4,6 mg/l	96 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	2,1 mg/l	48 h	Daphnia magna	
	Acute bacteria toxicity		(12 mg/l)		Pseudomonas putida	
78-93-3	butanone; ethyl methyl ketone					
	Acute fish toxicity	LC50	2990 mg/l	96 h	Pimephales promelas	OECD 203
	Acute algae toxicity	ErC50	1972 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	308 mg/l	48 h	Daphnia magna	OECD 202

#### 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
100-41-4	ethylbenzene	3,15

#### 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 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

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070104 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other organic solvents, washing liquids and mother liquors  
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 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640C  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, xylene)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640C  
 Limited quantity: 1 L  
 Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 1993

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**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, xylene)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Special Provisions: 274

Limited quantity: 1 L

Excepted quantity: E2

EmS: F-E, S-E

#### Air transport (ICAO)

**14.1. UN number:** UN 1993

**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, xylene)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** II

Hazard label: 3



Special Provisions: A3

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 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): 100%

##### 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

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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

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

Version 1,00 - Creation - 07.07.2014

Version 1,01 - Classification/Labeling according Regulation No.1272/2008 (GHS/CLP) and general revision - 28.07.2015

#### 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

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Rhepanol - solvent welding agent

Print date: 11.12.2015

Product code: RCSO-FDT-031

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#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

#### 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.)*