

according to Regulation (EC) No 1907/2006

Rösler Polyfill CAT

Print date: 14.03.2016

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

1.1. Product identifier

Softfill CAT

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

Use of the substance/mixture

Polyurethane castable elastomer component A for tyrefilling.

1.3. Details of the supplier of the safety data sheet

1.5. Details of the supplier of the	Salety data Sheet	
Company name:	Rösler Tyre Innovators GmbH & Co. KG	
Street:	Ezzestr. 5	
Place:	D-44379 Dortmund	
Telephone:	+49 (0)231 917078-00	Telefax:+49 (0)231 917078 - 12
e-mail:	roesler@roesler-tyres.com	
1.4. Emergency telephone	+49 (231) 917078-00	
number		

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories: Skin corrosion/irritation: Skin Irrit. 2 Serious eye damage/eye irritation: Eye Irrit. 2 Carcinogenicity: Carc. 1B Reproductive toxicity: Repr. 2 Specific target organ toxicity - repeated exposure: STOT RE 1 Hazardous to the aquatic environment: Aquatic Chronic 2 Hazard Statements: Causes serious eye irritation. Causes skin irritation. May cause cancer. Suspected of damaging the unborn child. Causes 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

Hazard components for labelling

Heavy Fuel oil, Residues (petroleum), catalytic reformer fractionator residue distn. Extracts (petroleum), light paraffinic distillate solvent Extracts (petroleum), light paraffinic distillate solvent

Signal word: **Pictograms:**

Danger



Hazard statements

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H350	May cause cancer.
H361d	Suspected of damaging the unborn child.



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H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
present and easy to	do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.

Special labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification according to	Regulation (EC) No. 1272/200	8 [CLP]		
68478-13-7	Heavy Fuel oil, Residues	(petroleum), catalytic reformer f	ractionator residue distn.	10 - < 25 %	
	270-792-2	649-025-00-4			
	Carc. 1B, Aquatic Chronic	2; H350 H411			
64742-05-8	Extracts (petroleum), light	paraffinic distillate solvent		10 - < 25 %	
	265-104-2	649-003-00-4			
	Carc. 1B, Repr. 2, STOT I	RE 1, Aquatic Chronic 2; H350	H361d H372 H411 EUH066		
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent			5 - < 10 %	
	265-104-2	649-003-00-4			
	Carc. 1B, Repr. 2, STOT I	RE 1, Aquatic Chronic 3; H350	H361d H372 H412 EUH066		
107-21-1	ethanediol, ethylene glyco	I		1 - < 2.5 %	
	203-473-3	603-027-00-1			
	Acute Tox. 4; H302				
109-83-1	2-(methylamino)ethanol, 2 N-methylethanolamine	-methylaminoethanol, N-methy	I-2-amino ethanol, N-methyl-2-ethano	lamine, 1 - < 2.5 %	
	203-710-0	603-080-00-0			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B; H312 H302 H314				

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

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.



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After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Induce vomiting when the affected person is not unconscious. Medical treatment necessary.

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

No information available.

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

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

In case of fire: Formation of: Nitrogen oxides (NOx), Sulphur dioxide (SO2), Carbon dioxide (CO2), Carbon monoxide.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities



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Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. storage temperature: 20°C

Advice on storage compatibility

Keep away from: Oxidising agent, strong

7.3. Specific end use(s)

Polyurethane castable elastomer component A for tyrefilling.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL
7783-06-4	Hydrogen sulphide	5	7		TWA (8 h)	WEL
		10	14		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance				
DNEL type		Exposure route	Effect	Value	
64742-05-8	2-05-8 Extracts (petroleum), light paraffinic distillate solvent				
Worker DNEL,	long-term	dermal	systemic	1 mg/kg bw/day	

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/face protection

Suitable eye protection: goggles.

Hand protection

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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable material:

NBR (Nitrile rubber), e.g. type Tricotril, article nr. 736 from KCL (www.kcl.de).



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CR (polychloroprene, chloroprene rubber), e.g. Camapren, article nr. 720 from KCL (www.kcl.de).

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and	chemical properties		
Physical state:	liquid		
Colour:	brown		
Odour:	like: Mineral oil		
			Test method
pH-Value:		neutral	
Changes in the physical state			
Melting point:		-25 °C	
Initial boiling point and boiling range:		not determined	
Flash point:		> 150 °C	
Flammability			
Solid:		not applicable	
Gas:		not applicable	
Explosive properties No information available.			
Lower explosion limits:		not determined	
Upper explosion limits:		not determined	
Ignition temperature:		> 240 °C	
Auto-ignition temperature			
Solid: Gas:		not applicable not applicable	
		not determined	
Decomposition temperature:		not determined	
Oxidizing properties Not oxidizing.			
Vapour pressure:		not determined	
Density:		1,02 - 1,05 g/cm ³	
Water solubility:		emulsifiable	
Solubility in other solvents Soluble in: Ketone; Alcohol; Hydro	carbons, aliphatic		
Partition coefficient:		not determined	
Viscosity / dynamic: (at 20 °C)		450 - 700 mPa⋅s	
Vapour density:		not determined	
Evaporation rate:		not determined	
Solvent content:		25-29 %, water: <1 %	
9.2. Other information			
No information available.			



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SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Danger of polymerisation

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

Keep away from: Oxidising agent, Acid.

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		
64742-05-8	-8 Extracts (petroleum), light paraffinic distillate solvent						
	oral	LD50	> 5000 mg/kg	Rat	Manufacturer		
	dermal	LD50	> 3000 mg/kg	Rabbit	Manufacturer		
	inhalative (4 h) aerosol	LC50	> 5 mg/l	Rat	Manufacturer		
64742-05-8	Extracts (petroleum), light paraffin	ic distillate s	solvent				
	oral	LD50	> 5000 mg/kg	Rat	OECD 401		
	dermal	LD50	> 3000 mg/kg	Rabbit	OECD 402		
	inhalative (4 h) aerosol	LC50	> 5 mg/l	Rat	OECD 403		
107-21-1	ethanediol, ethylene glycol						
	oral	ATE	500 mg/kg				
	dermal	LD50	10600 mg/kg	Rabbit	GESTIS		
109-83-1	2-(methylamino)ethanol, 2-methylaminoethanol, N-methyl-2-amino ethanol, N-methyl-2-ethanolamine, N-methylethanolamine						
	oral	LD50	1391 mg/kg	Rat	OECD 401		
	dermal	LD50	1006 mg/kg	Rabbit	OECD 402		

Irritation and corrosivity

Causes serious eye irritation. Causes skin irritation.

Sensitising effects

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

STOT-single exposure

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



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Severe effects after repeated or prolonged exposure

Causes damage to organs through prolonged or repeated exposure. (Extracts (petroleum), light paraffinic distillate solvent), (Extracts (petroleum), light paraffinic distillate solvent)

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer. (Heavy Fuel oil, Residues (petroleum), catalytic reformer fractionator residue distn.), (Extracts (petroleum), light paraffinic distillate solvent), (Extracts (petroleum), light paraffinic distillate solvent) Suspected of damaging the unborn child. (Extracts (petroleum), light paraffinic distillate solvent), light paraffinic distillate solvent), (petroleum), light paraffinic distillate solvent), light paraffinic distillate s

Aspiration hazard

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

Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

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
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent					
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Manufacturer
	Acute algae toxicity	ErC50	18,8 mg/l	72 h	Selenastrum capricornutum	Manufacturer
	Acute crustacea toxicity	EC50	35,9 mg/l	48 h	Daphnia magna (Big water flea)	Manufacturer
64742-05-8	Extracts (petroleum), light pa	raffinic distill	ate solvent			
	Acute fish toxicity	LC50	> 1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50	18,8 mg/l	72 h	Selenastrum capricornutum	OECD 201
	Acute crustacea toxicity	EC50	35,9 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
107-21-1	ethanediol, ethylene glycol					
	Acute fish toxicity	LC50	72860 mg/l	96 h	Pimephales promelas (fathead minnow)	EPA 600/4-90/027
	Acute algae toxicity	ErC50	6500 mg/l	96 h	Scenedesmus quadricauda	IUCLID
	Acute crustacea toxicity	EC50	> 100 mg/l		Daphnia magna (Big water flea)	OECD 202
109-83-1	2-(methylamino)ethanol, 2-m N-methylethanolamine	ethylaminoe	thanol, N-methyl-	-2-amino	ethanol, N-methyl-2-ethanola	amine,
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Brachydanio rerio (zebra-fish)	IUCLID
	Acute algae toxicity	ErC50	28.,1 mg/l	72 h	Desmodesmus subspicatus.	OECD 203
	Acute crustacea toxicity	EC50	33 mg/l		Daphnia magna (Big water flea)	OECD 202

12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name						
	Method Value d Source						
	Evaluation	•					
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent						
	EU Method C.4-E	0	28	ECHA			
	Poorly biodegradable.						
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent						
	OECD 301D/ EEC 92/69/V, C.4-E	0%	28				
	Not readily biodegradable (according to OECD criteria)						
107-21-1	ethanediol, ethylene glycol						
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A	90 - 100 %	10	IUCLID			
	Readily biodegradable (according to OECD criteria).						
109-83-1	2-(methylamino)ethanol, 2-methylaminoethanol, N-methyl-2-amino ethanol, N-methyl-2-ethanolamine, N-methylethanolamine						
	OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A 92 % 21 IUCLID						
	Readily biodegradable (according to OECD criteria).						

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water				
CAS No	Chemical name	Log Pow		
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent	> = 4		
107-21-1	ethanediol, ethylene glycol	-1,36		
109-83-1	2-(methylamino)ethanol, 2-methylaminoethanol, N-methyl-2-amino ethanol, N-methyl-2-ethanolamine, N-methylethanolamine	-0,94		

BCF

CAS No	Chemical name	BCF	Species	Source
109-83-1	2-(methylamino)ethanol, 2-methylaminoethanol, N-methyl-2-amino ethanol, N-methyl-2-ethanolamine, N-methylethanolamine	3,162	Quantitative structure-acivity relationship (QSAR)	IUCLID

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.



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SECTION 14: Transport information					
Land transport (ADR/RID)					
<u>14.1. UN number:</u>	UN 3082				
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Extracts (petroleum), light paraffinic distillate solvent)				
14.3. Transport hazard class(es):	9				
14.4. Packing group:	III				
Hazard label:	9				
	9				
Classification code:	M6				
Special Provisions:	274 335 375 601				
Limited quantity:	5 L E1				
Excepted quantity: Transport category:	3				
Hazard No:	90				
Tunnel restriction code:	E				
Inland waterways transport (ADN)					
<u>14.1. UN number:</u>	UN 3082				
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Extracts (petroleum), light paraffinic distillate solvent)				
14.3. Transport hazard class(es):	9				
14.4. Packing group:	III				
Hazard label:	9				
Classification code:	M6				
Special Provisions:	274 335 375 601				
Limited quantity:	5 L				
Excepted quantity:	E1				
Marine transport (IMDG)					
<u>14.1. UN number:</u>	UN 3082				
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Extracts (petroleum), light paraffinic distillate solvent)				
<u>14.3. Transport hazard class(es):</u>	9				
14.4. Packing group:	III				
Hazard label:	9				
Special Dravisional	274 225 060				
Special Provisions: Limited quantity:	274, 335, 969 5 L				
Excepted quantity:	E1				
EmS:	F-A, S-F				
Air transport (ICAO)					

Air transport (ICAO)



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<u>14.1. UN number:</u>	UN 3082						
14.2. UN proper shipping name:		LY HAZARDOUS SUBSTANCE, LIQUID, N.C m), light paraffinic distillate solvent)).S.				
14.3. Transport hazard class(es):	9						
14.4. Packing group:	III						
Hazard label:	9						
Special Provisions:	A97 A158 A197						
Limited quantity Passenger:	30 kg G						
Passenger LQ:	Y964 F1						
Excepted quantity: IATA-packing instructions - Passenger:		964					
IATA-packing instructions - Passenger:		450 L					
IATA-packing instructions - Cargo:		964					
IATA-max. quantity - Cargo:		450 L					
14.5. Environmental hazards							
ENVIRONMENTALLY HAZARDOUS:	yes	¥2					

14.6. Special precautions for user

No information available.

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

not applicable

SECTION 15: Regulatory information

EU regulatory information		
2004/42/EC (VOC):	> 25,90 % (> 264,90 g/l)	
National regulatory information		
Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.	
Water contaminating class (D):	3 - highly water contaminating	
15.2. Chemical safety assessment		

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,7,9,12,13,14,15.

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) IMDG: International Maritime Code for Dangerous Goods



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IATA: International Air Transport Association 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 CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50% Relevant H and EUH statements (number and full text) Harmful if swallowed. H302 H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H319 Causes serious eye irritation. May cause cancer. H350

H361d

- Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- Toxic to aquatic life with long lasting effects. H411
- Harmful to aquatic life with long lasting effects. H412

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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