

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RUDOLPREN

Print date: 06.10.2015

Product code: r-1260

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

1.1. Product identifier

RUDOLPREN

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

Use of the substance/mixture

Klebstoff

1.3. Details of the supplier of the safety data sheet

Company name:	RUDOL-FABRIK Hermann Hagemeyer	
Street:	Sürther Str. 172	
Place:	D-50321 Brühl	
Post-office box:	17 04	
	D-50307 Brühl	
Telephone:	02232-94592-0	Telefax: 02232-945929
Contact person:	Klaus Markus	
Responsible Department:	Labor	

1.4. Emergency telephone number:

02232-945920

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard Statements:

Highly flammable liquid and vapour.

Harmful if inhaled.

Causes serious eye irritation.

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

Signal word: Danger

Pictograms:



Hazard statements

H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P264	Wash Hände thoroughly after handling.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P235	Keep cool.
P370+P378	In case of fire: Use Sand, Löschpulver oder alkoholbeständigen Schaum to extinguish.

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P337+P313	If eye irritation persists: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P312	Call a POISON CENTER/doctor if you feel unwell.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P243	Take precautionary measures against static discharge.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P240	Ground/bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.

Special labelling of certain mixtures

EUH018	In use may form flammable/explosive vapour-air mixture.
EUH066	Repeated exposure may cause skin dryness or cracking. Restricted to professional users.

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
141-78-6	Ethylacetat	25-30%
	205-500-4	607-022-00-5
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066	
110-82-7	cyclohexane	22-28%
	203-806-2	601-017-00-1
	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H225 H304 H315 H336 H400 H410	
64742-49-0	Naphta, mit Wasserstoff behandelt leicht, <0,1 Benzol	20-25%
	265-151-9	
1314-13-2	zinc oxide	< 0,5 %
	215-222-5	030-013-00-7
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410	
110-54-3	n-hexane	< 1,0 %
	203-777-6	601-037-00-0
	Flam. Liq. 2, Repr. 2, Asp. Tox. 1, STOT RE 2, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2; H225 H361f *** H304 H373 ** H315 H336 H411	

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

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SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

After contact with skin

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

After contact with eyes

Wash off immediately with plenty of water for at least 15 minutes. Consult a physician.

After ingestion

Do NOT induce vomiting. Obtain medical attention.

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

In case of shortness of breath, give oxygen.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing media: CO₂, foam, dry powder; in cases of larger fires, water spray should be used. In the event of fire and/or explosion do not breathe fumes.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes. Using the product may be accompanied by the formation of explosive/highly inflammable vapour-air-mixtures.

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Additional information

Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4. Reference to other sections

Remove all sources of ignition.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not smoke.

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7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a dry and well-ventilated place. Protect from frost. Storage temperature: 10-30°C.

Further information on storage conditions

Keep away from direct sunlight.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
110-82-7	Cyclohexane	100	350		TWA (8 h)	WEL
		300	1050		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL
110-54-3	n-Hexane	20	72		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Avoid contact with the skin and the eyes. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

Eye/face protection

Tightly fitting safety goggles

Respiratory protection

Ensure adequate ventilation, especially in confined areas. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

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

Physical state: liquid
 Colour: light brown
 Odour: solvent / ester-like

Test method**Changes in the physical state**

Initial boiling point and boiling range: 70 °C
 Flash point: - 15 °C
 Lower explosion limits: 1,0 vol. %
 Upper explosion limits: 13,0 vol. %
 Vapour pressure: 145 hPa
 (at 20 °C)
 Density (at 20 °C): 0,86 g/cm³

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Water solubility:
(at 20 °C) insoluble

Solubility in other solvents

Ester, Ketone, Toluol

Viscosity / dynamic:
(at 20 °C) 1000 mPa·s

Solvent content: 79,0%

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Strong acids and oxidizing agents

Further information

No decomposition if stored normally.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Health injuries are not known or expected under normal use.

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

Irritation and corrosivity

Skin irritation:

Eye irritation:

Sensitising effects

No data is available on the product itself.

Severe effects after repeated or prolonged exposure

Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation.

Specific effects in experiment on an animal

No data is available on the product itself.

SECTION 12: Ecological information**12.1. Toxicity**

Do not allow to escape into waters, wastewater or soil.

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
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

:

12.3. Bioaccumulative potential

No data is available on the product itself.

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 is available on the product itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of as special waste in compliance with local and national regulations.

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.

Contaminated packaging

Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Klebstoffe
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	640H
Limited quantity:	LQ7
Transport category:	3
Hazard No:	33
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number:	UN 1133
14.2. UN proper shipping name:	Klebstoffe
14.3. Transport hazard class(es):	3
14.4. Packing group:	III

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Hazard label: 3
 Classification code: F1
 Special Provisions: 640H
 Limited quantity: 5 L

Marine transport (IMDG)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives (Cyclohexane)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3
 Marine pollutant: no
 Special Provisions: 223, 955
 Limited quantity: 5 L
 EmS: F-E, S-D

Other applicable information (marine transport)

Staukategorie A

Air transport (ICAO)

14.1. UN number: UN 1133
14.2. UN proper shipping name: Adhesives
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3
 Special Provisions: A3
 Limited quantity Passenger: 10 L
 IATA-packing instructions - Passenger: 355
 IATA-max. quantity - Passenger: 60 L
 IATA-packing instructions - Cargo: 366
 IATA-max. quantity - Cargo: 220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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): 78%

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
 Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

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.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H336 May cause drowsiness or dizziness.

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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.
EUH018	In use may form flammable/explosive vapour-air mixture.
EUH066	Repeated exposure may cause skin dryness or cracking.

Further Information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

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