

RCT Pianol Classic

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

1.1. Product identifier

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

Use of the substance/mixture

Release agent for industrial and commercial consumers

1.3. Details of the supplier providing the safety data sheet

Company name: Reisacher Chemie & Technik GmbH
Street: Hermann-Krum-Str. 7
Place: 88319 Aitrach (Germany)
Phone: +49 7565 942687 - 0 Telefax: +49 7565 942687 - 90
E-Mail: info@rct-germany.de
Contact person: Dr. Rockermaier
E-Mail: m.rockermaier@rct-germany.de
Homepage: www.rct-germany.de
Informing department: Laboratory

1.4. Emergency phone number:

+49 7565 942687 - 0

The emergency number is only available on weekdays (Mon-Fri) from 8:30 to 16:00 (CET).

SECTION 2: Possible hazards

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories: Flam. Liq. 3, Asp. 1

2.2. Label elements:

Regulation (EC) No. 1272/2008

Hydrocarbons, C9 - C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics
Distillates (petroleum), solvent dewaxed heavy paraffinic hydrocarbons, C15-C20, n-alkanes, iso-alkanes, cycloalkanes, < 0.03 % aromatics
Signal word: Danger
Pictograms: GHS02 – GHS08



Hazard statements:

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.

Safety advice

P210 Keep away from heat/sparks/open flames/hot surfaces. - Do not smoke.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF INFECTED: Call a POISON CENTER/doctor immediately.
P331 DO NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): remove all contaminated, soaked clothing immediately. Wash skin with water/shower.
P 501 Dispose of contents/container in accordance with local regulations.

Special labelling of certain mixtures

2.3. Other hazards

No information available.

SECTION 3: Composition/Information on ingredients

3.1. Substances

not applicable

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3.2. Mixtures

Chemical characterization

highly refined hydrocarbons and additives dissolved in an aromatics-free solvent

Hazardous ingredients

EC-No.	Designation	Proportion
CAS-No.		
Index-No.	Classification according to Regulation (EC) No 1272/2008 [CLP]	
REACH-No.		
927-241-2	Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics	65 - 80%
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H304 H412 EUH066	
01-2119471843-32		
265-169-7	Distillates (petroleum), solvent dewaxed heavy paraffinic	10 -<15 %
64742-65-0		
649-453-00-1	Asp. Tox. 1; H304	
01-2119471299-27		

Wording of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Seek medical advice if symptoms occur or in case of doubt. Do not administer by mouth if unconscious.

After inhalation

Provide fresh air.

In case of accident or if you feel unwell, seek medical advice immediately.

(show operating instructions or safety data sheet if possible).

After contact with skin

Wash off with plenty of water. Remove contaminated clothing and wash before wearing again.

After contact with eyes

Immediately rinse cautiously and thoroughly with eye wash or with water.

In case of eye irritation, consult an ophthalmologist.

After ingestion

If vomiting occurs, observe risk of aspiration. Immediately rinse mouth and drink plenty of water.

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

No information available.

4.3. Indications for immediate medical attention or special treatment

Symptomatic treatment.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), foam, extinguishing powder.

Unsuitable extinguishing media

Water, full water jet.

5.2. Special hazards arising from the substance or mixture

Flammable. Vapors may form explosive mixtures with air. Do not inhale explosion and fire gases.

5.3. Advice for fire fighting

In case of fire: wear self-contained breathing apparatus.

Additional information

Use water spray to protect persons and to cool containers in the danger zone.

Knock down gases/vapors/mist with water spray jet. Collect contaminated extinguishing water separately.

Do not allow to enter drains or water courses.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.
Do not breathe gas/fumes/vapor/aerosol.
Avoid contact with skin, eyes and clothing.
Use personal protective equipment.

6.2. Environmental precautions

Do not allow uncontrolled release of product into the environment. Explosion hazard.
Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).
Handle absorbed material according to section Disposal.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Precautions for safe handling

If local exhaust is not possible or insufficient, good ventilation of the work area should be ensured if possible.
Do not inhale gas/fumes/vapor/aerosol. Use only in well ventilated areas.
Keep away from sources of ignition - Do not smoke.

Fire and explosion protection precautions

Keep away from sources of ignition - Do not smoke. Take measures against electrostatic charges.
Vapors may form explosive mixtures with air.
Take measures against electrostatic charges.

7.2. Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed. Store only in original container.
Keep container in a cool, well-ventilated place.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Do not smoke.

Information on storage in one common storage facility

Do not store together with: Oxidizing agents. Pyrophoric or self-heating hazardous materials.

Further information on storage conditions

Protect against: Heat.
Storage class according to TRGS 510: 3 - Flammable liquids.

7.3. Specific end use

Release agent

SECTION 8: Exposure controls/personal protection

Additional advice on the design of technical equipment

Ensure good ventilation. This can be achieved by local exhaust or general exhaust. If this is not sufficient to keep the solvent vapor concentration below the AGW limits, suitable respiratory protection equipment must be worn.

8.1. Parameters to be monitored

Occupational exposure limits

CAS-No.	Designation	Specification	ppm	mg/m ³	Category	Remark
	Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics	TRGS 900		600		

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8.2. Exposure controls and monitoring



Suitable technical control equipment

If local exhaust ventilation is not possible or is inadequate, ensure good ventilation of the work area whenever possible. Do not inhale gas/fume/vapor/aerosol.

Protective and hygienic measures

Immediately remove soiled, saturated clothing. Draw up and observe skin protection plan!
Wash hands and face thoroughly before breaks and at the end of work, shower if necessary.
Do not eat or drink while working.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn.

The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances. It is recommended to clarify the chemical resistance of the above mentioned protective gloves for special applications with the glove manufacturer.

Suitable material: NBR (nitrile rubber). FKM (fluororubber).

Penetration time (maximum wearing time): 480 min.

Body protection

Wear suitable protective clothing during work.

Respiratory protection

Wear respiratory protection if ventilation is inadequate.

Respiratory protection is required in case of: Aerosol or mist formation.

Suitable respiratory protection: Combination filter device (EN 14387) A2-P2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:		liquid	
Color:		light yellow	
Odor:		like: mineral oil	
Melting point:		not determined	
Initial boiling point and boiling range:		not determined	
Flash point:		30 °C	DIN EN ISO 2719
Lower explosion limit:		not determined	
Upper explosion limit:		not determined	
Ignition temperature:		approx. 240 °C	DIN 51794
Vapor pressure:		not determined	
Density:	(15°C)	0.80 g/cm ³	DIN 51757
Water solubility:		insoluble	
Kin. Viscosity:	(at 20 °C)	2 mm ² /s	DIN 51562

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable, risk of ignition.

10.2. Chemical stability

Product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

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10.4. Conditions to avoid

Keep away from heat sources (e.g. hot surfaces), sparks and open flames.
Vapors may form explosive mixtures with air.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Akute toxicity

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

CAS-No.	Designation	Method	Dose	Species
	Exposure route			
	Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics			
	oral		LD 50 > 5000 mg/kg	rat
	dermal		LD 50 > 5000 mg/kg	rabbit
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic			
	oral		LD 50 > 5000 mg/kg	rat
	dermal		LD 50 > 5000 mg/kg	rabbit
	inhalativ (4 h) Aerosol		LC 50 5,53 mg/l	rat

Irritant and corrosive effect

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

Irritant effect on the eye:

Slightly irritating.

Irritant effect on skin:

Has a degreasing effect on the skin. Frequent and prolonged skin contact may cause skin irritation.

Sensitizing effects

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

Carcinogenic, mutagenic and toxic for reproduction effects

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

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity in case of repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways.

Other test information

The mixture is classified as dangerous according to 1999/45EC.

SECTION 12: Environmental information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS-No.	Designation	Method	Dose	Duration	Species
	Aquatic toxicity				
	Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics				
	Acute fish toxicity		NOEC >0,1 - <= 1,0 mg/l		
	Crustacean toxicity		NOEC >0,1 - <= 1,0 mg/l		

12.2. Persistence and degradability

Physicochemical elimination: As a result of its low water solubility, the product is largely mechanically separated in biological wastewater treatment plants.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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Partition coefficient n-octanol/water

CAS-No.	Determination	Log Pow
	Hydrocarbons, C9-C10, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics	4-5,7
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	> 3

12.4. Mobility in soil

As a result of its low water solubility, the product is largely mechanically separated in biological wastewater treatment plants.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information is available.

Further information

Do not allow to enter drains or watercourses. Do not allow to enter subsoil/soil.

SECTION 13: Disposal considerations

13.1. Waste treatment procedures

Recommendation

Do not allow to enter drains or water courses. Do not allow to enter subsoil/earth.

Dispose of in accordance with official regulations.

Waste code product

13 02 08 / Waste oils and wastes from liquid fuels (except edible oils and oil wastes mentioned in 05, 12 and 19); waste engine, gear and lubricating oils; other engine, gear and lubricating oils.

Classified as hazardous waste.

Waste code uncleaned packaging

Non-contaminated and residual empty packaging can be recycled.

Contaminated packaging must be treated in the same way as the substance.

Disposal according to official regulations.

Hand over to authorized waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

UN-number	UN 3295
UN proper shipping name:	HYDROCOAL, LIQUID, N.O.S.
Transport hazard class:	3
Packing group:	III
Hazard label:	3
Classification Code:	F1
Limited quantity:	LQ7
Hazard number:	30
Tunnel Restriction Code:	D/E
Exempted quantity:	E1
Transport category:	3

Inland waterway transport (ADN)

Marine transport (IMDG)

UN number	UN 3295
UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
Transport hazard classes:	3
Packing group:	III
Hazard label:	3
Marine Poll.:	no
Limited quantity:	LQ 5I
EmS number:	F-E/S-D
Special regulations:	223, 944

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Air transport (ICAO)

UN number	UN 3295
UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.
Transport hazard class:	3
Packing group:	III
Hazard label:	3
Limited Quantity (LQ)	Passenger: 10 L
IATA packing instruction - Passenger:	309
IATA maximum quantity - Passenger:	60 L
IATA packing instruction - Cargo:	310
IATA maximum quantity - Cargo:	220 L
Exempted quantity:	E1
Passenger LQ:	Y309
Cargo Maximum:	220 L

14.5. Environmental hazards

DANGEROUS FOR THE ENVIRONMENT: no

14.6. Special precautions for user

Caution: Flammable liquids.

14.7. Bulk transport according to Annex II of MARPOL 73/78 and according to IBC Code

not applicable

SECTION 15: Legislation

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

EU regulations

Information on VOC Directive 2004/42/EC 71.7 % (559.26 g/l)

Additional information

To be observed: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulations

Employment restrictions: Observe employment restrictions for young persons (§ 22 JArbSchG).
Observe restrictions for expectant and nursing mothers (§§ 4 and 5 MuSchRIV).

Classification according to VbF (until 31.12.2002): All - liquid with 21 °C < flpkt. < 55 °C

Water hazard class 1 - slightly hazardous to water

Mixture rule according to VwVwS appendix 4, no. 3

15.2. Chemical safety assessment

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

SECTION 16: Other information

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

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%

Wording of H and EUH phrases (number and full text)

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness and dizziness.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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Further information

The information in this safety data sheet is based on our best knowledge at the time of printing. The information is intended to provide guidance on the safe handling of the product specified in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials or subjected to treatment, the information in this safety data sheet cannot be transferred to the new material thus produced, unless expressly stated otherwise.