

**RCT Sianol-Premium**

Page 1 of 8

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

**1.1. Product identifier**

RCT Sianol Premium

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

**Use of the substance/mixture**

Building protection products

**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**

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

Hazard Categories:

Aspiration hazard: Asp. 1

Hazard statements:

May be fatal if swallowed and enters airways.

**2.2. Label elements:**

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

**Hazard-determining components of labeling**

Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics

Signal word:        Danger

Pictograms:



**Hazard statements**

H304                May be fatal if swallowed and enters airways.

**Safety advice**

P261                Avoid breathing gas/mist/vapor.  
P280                Wear protective gloves and eye/face protection.  
P301+P310        IF INFECTED: Call a POISON CENTER/physician immediately.  
P331                DO NOT induce vomiting.

**Special labelling of certain mixtures**

EUH066            Repeated exposure may cause skin dryness or cracking.

**2.3. Other hazards**

On heating: Vapors may form an explosive mixture with air.

**SECTION 3: Composition/Information on ingredients**

**3.1. Mixtures**

**Chemical characterization**

Polymer preparations and materials, containing solvents.

**RCT Sianol-Premium**

Page 2 of 8

**Hazardous ingredients**

CAS-No.	Designation			Proportion
	EC-No.	Index-No.	REACH-No.	
	Classification according to Regulation (EC) No 1272/2008 [CLP]			
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2% aromatics			50 - 100 %
	918-481-9	649-327-00-6	01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
112-07-2	2-Butoxyethyl-acetat (vgl. Butoxyethyl acetate)			5 - 10 %
	203-933-3	607-038-00-2	01-2119475112-47	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H332 H312 H302			
34590-94-8	Dipropylene glycol monomethyl ether (mixture of isomers)			1 - 5 %
	252-104-2		01-2119450011-60	

Wording of H and EUH phrases: see section 16.

**Specific concentration limits, M-factors and ATE**

CAS-No.	Designation	Proportion
EC-No.	Specific concentration limits, M-factors and ATE	
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2% aromatics	50 - 100 %
918-481-9	dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
112-07-2	2-Butoxyethyl acetate (cf. butyl glycol acetate)	5 - 10 %
203-933-3	inhalation: ATE = 11 mg/l (vapors); inhalation: ATE = 1.5 mg/l (dusts or mists); dermal: LD50 = 1500 mg/kg; oral: LD50 = 2400 mg/kg	
34590-94-8	Dipropylene glycol monomethyl ether (mixture of isomers)	1 - 5 %
252-104-2	inhalation: LC50 = > 500 mg/l (vapors); dermal: LD50 = 9510 mg/kg; oral: LD50 = 5140 mg/kg	

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General advice**

Remove affected persons from the danger zone. Change soiled, saturated clothing.

**After inhalation**

Remove affected person to fresh air and keep warm and calm.

Seek medical advice if symptoms occur or in case of doubt. Do not leave affected person unattended.

**After contact with skin**

In case of contact with skin, wash immediately with plenty of soap and water.

In case of skin reactions, seek medical advice.

**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**

Risk of aspiration. Rinse mouth thoroughly with water. DO NOT induce vomiting.

Seek medical attention immediately..

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

After inhalation: Cough. Respiratory problems. Fever.

Has a degreasing effect on the skin.

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

Symptoms of poisoning may also not appear for many hours, therefore medical monitoring at least until 48 hours after the accident. Subsequent observation for pneumonia and pulmonary edema.

**SECTION 5: Fire fighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO2), water mist, foam, extinguishing powder.

**Unsuitable extinguishing media**

Full jet of water

**RCT Sianol-Premium**

Page 3 of 8

**5.2. Special hazards arising from the substance or mixture**

Vapors may form explosive mixtures with air.  
In case of fire, the following may be formed: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), hydrocarbons, hydrogen fluoride. In case of combustion strong soot formation.

**5.3. Advice for fire fighting**

Wear self-contained breathing apparatus and chemical protective suit. Full protective suit.  
Use water spray to protect persons and to cool containers in the danger area.  
Knock down gases/vapors/mist with water spray. Collect contaminated extinguishing water separately.  
Do not allow to enter sewage system or bodies of water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Do not inhale gas/vapor. Avoid contact with skin, eyes and clothing.  
Use personal protective equipment.

**6.2. Environmental precautions**

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

**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 disposal section.

**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**

Ensure adequate ventilation. Do not inhale gas/vapor/aerosol. Avoid contact with skin, eyes and clothing.  
avoid. Use personal protective equipment.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - Do not smoke. Take measures against electrostatic charges.

**Further handling information**

Further information: See section 8

**7.2. Conditions for safe storage taking into account incompatibilities**

**Requirements for storage rooms and containers**

Keep container tightly closed and store in a cool, well-ventilated place.  
Protect from direct sunlight.

**Information on storage in one common storage facility**

Do not store together with: Pyrophoric or self-heating hazardous materials, oxidizing agents.  
Keep away from food, beverages and animal feed.

**Further information on storage conditions**

Storage class according to TRGS 510: 10 (Flammable liquids, which cannot be assigned to any of the above mentioned LGK).

**7.3. Specific end use**

No identified use(s).

**SECTION 8: Exposure controls/personal protection**

**8.1. Parameters to be monitored**

**Occupational exposure limits (TRGS 900)**

CAS-No.	Designation	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	Peak limit.	Type
34590-94-8	(2-Methoxymethylethoxy) propanol (mixture of isomers)	50	310		1(I)	
112-07-2	2-Butoxyethyl acetate 50	10	65		2(II)	

**RCT Sianol-Premium**

Page 4 of 8

**Biological limit values (TRGS 903)**

CAS-No.	Designation	Parameter	Limit value	Test material	Sample time
112-07-2	2-Butoxyethyl acetate	Butoxyacetic acid (after hydrolysis in creatinine)	150 mg/g	U	b, c

**8.2. Exposure controls and monitoring**



**Suitable technical control equipment**

Provide adequate ventilation. Use personal protective equipment.

**Protective and hygienic measures**

Do not inhale gas/vapor/aerosol. Avoid contact with skin, eyes and clothing. Change contaminated, soaked clothing. Preventive skin protection with skin protection ointment. Wash hands before breaks and at the end of work. Do not eat or drink while working.

**Eye/face protection**

Tightly fitting safety goggles. (DIN EN 166).

**Hand protection**

Suitable glove type: gauntlet gloves. (DIN EN 374)

For short-term hand contact: Disposable gloves.

Suitable material:

- NBR (nitrile rubber): material thickness: 0.35 mm, breakthrough time: > 480 min.

The design of chemical protective gloves must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

**Body protection**

Wear only suitable, comfortably fitting and clean protective clothing.

**Respiratory protection**

If technical extraction or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory protection: Filtering half mask (DIN EN 149), Filter: AP2

**Environmental exposure controls**

Do not allow to enter drains or water courses. Do not allow to enter underground/soil.

**SECTION 9: Physical and chemical properties**

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

Physical state:	liquid
Color:	colorless, clear
Odor:	hydrocarbons, aliphatic
pH value:	not applicable
Melting point:	not determined
Initial boiling point and boiling range:	170 - 210 °C
Flash point:	> 61 °C
Flammability solid:	not applicable
Flammability gas:	not applicable
Explosion hazards:	Vapors may form an explosive mixture with air.
Lower explosion limit:	0.7 % by volume
Upper explosion limit:	8.0 % by volume
Ignition temperature:	> 230 °C
Auto-ignition temperature solid:	not applicable
Auto-ignition temperature gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties:	non-flammable (oxidizing) properties
Vapor pressure:	23 hPa calculated

(at 20 °C)

**RCT Sianol-Premium**

Page 5 of 8

Density:	(at 21 °C)	approx. 0.8 g/cm <sup>3</sup> ISO 2811
Solubility in water:	(at 21 °C)	not miscible
Solubility in other solvents:		not determined
Partition coefficient:		not determined
Run-out time:	(at 21 °C)	11 s 4 DIN EN ISO 2431
Vapor density:		not applicable
Evaporation rate:		not applicable

**9.2. Other information**

Odor threshold:		no information available
Solvent content (%):		98
Solids content (%):		2

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reactions will occur if handled and stored as directed.

**10.2. Chemical stability**

The product is stable when stored at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Vapors may form an explosive mixture with air.

**10.4. Conditions to avoid**

Protect against direct sunlight.  
Take measures against electrostatic charges.

**10.5. Incompatible materials**

Oxidizing agent, strong.

**10.6. Hazardous decomposition products**

No hazardous decomposition products are known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicokinetics, metabolism and distribution.**

Symptoms may appear even after many hours, therefore medical monitoring at least until 48 hours after accident

**Akute toxicity**

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

CAS-NR.	Designation				
	Exposure Route	Dose	Species	Source	Method
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics				
	oral	LD50 > 5000 mg / kg	rat		
	dermal	LD50 > 200 mg / kg	rat		
112-07-2	2-Butoxyethyl acetate (cf. butyl glycol acetate)				
	oral	LD50 > 2400 mg / kg	rat	GESTIS	
	dermal	LD50 > 1500 mg / kg	rabbit	GESTIS	
	inhalative vapor	ATE 11 mg / l			
	inhalativa aerosol	ATE 1,5 mg / l			
34590-94-8	Dipropylene glycol monomethyl ether (mixture of isomers)				
	oral	LD50 5140 mg / kg	rat	GESTIS	
	dermal	LD50 9510 mg / kg	rabbit	GESTIS	
	inhalative vapor	LC50 > 500 mg / l	rat	MSDS	

**Irritant and corrosive effect**

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

**Sensitizing effects**

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

**Carcinogenic, mutagenic and toxic for reproduction effects**

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

**RCT Sianol-Premium**

**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**

Repeated contact may result in chapped or cracked skin.

**Aspiration hazard**

May be fatal if swallowed and enters airways. (Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2% aromatics).

**Other test information**

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

There are no data for the preparation/mixture itself.

There is no information available

**SECTION 12: Environmental information**

**12.1. Toxicity**

No data are available for the mixture. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the individual components (see section 3).

CAS-No.	Designation				
Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics				
Acute fish toxicity	LC50 > 1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
Acute algal toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	
112-07-2	2-Butoxyethyl acetate (cf. butyl glycol acetate)				
Acute fish toxicity	LC50 22 mg/l	96 h	Pimephales promelas (fathead minnow)	ECHA	
Acute algal toxicity	ErC50 520 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	
Acute crustacean toxicity	EC50 160 mg/l	48 h	Daphnia magna (Greater water flea)	ECHA	
34590-94-8	Dipropylglykolmonomethylether (Isomerenmischung)				
Acute fish toxicity	LC50 > 10000 mg/l	96 h	Pimephales promelas	MSDS	
Acute algal toxicity	ErC50 >969 mg/l	96 h	Scenedesmus subspicatus	MSDS	
Acute crustacean toxicity	EC50 1919 mg/l	48 h	Daphnia magna	MSDS	

**12.2. Persistence and degradability**

No information available.

CAS-No.	Designation			
	Method	Value	d	Source
	Evaluation			
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics			
	Theoretical oxygen demand (ThOD):	80 %	28	
	Readily biodegradable (according to OECD criteria)			
112-07-2	2-Butoxyethyl acetate (cf. butyl glycol acetate)			
	DOC removal	96 %	14	ECHA
	Readily biodegradable (according to OECD criteria)			
34590-94-8	Dipropylene glycol monomethyl ether (mixture of isomers).			
	Chemical oxygen demand (COD)	96 %	28	ECHA
	Readily biodegradable (according to OECD criteria)			

**12.3. Bioaccumulative potential**

No information available.

CAS-No.	Designation	Log Pow
112-07-2	2-Butoxyethyl acetate (cf. butyl glycol acetate)	1,51
34590-94-8	Dipropylene glycol monomethyl ether (mixture of isomers)	-3

**RCT Sianol-Premium**

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information is available.

**Further information**

Do not allow to enter drains or water courses. Do not allow to enter subsoil/soil. Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

**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**

080111 WASTES FROM PRODUCTION, PREPARATION, DISTRIBUTION AND APPLICATION (MFSU) OF COATINGS (PAINTS, VARNISHES, ENAMELS), ADHESIVES, SEALING MATERIALS AND PRINTING INKS; wastes from MFSU and removal of paints and varnishes; wastes from paints and varnishes containing organic solvents or other dangerous substances; hazardous waste

**Waste code uncleaned packaging**

150104 PACKAGING WASTE, SUPPLIES, WIPING CLOTHES, FILTER MATERIALS AND PROTECTIVE CLOTHING (A.N.G.); packaging (including separately collected municipal packaging waste); metal packaging.

**Disposal of uncleaned packaging and recommended cleaning agents.**

Contaminated packaging should be treated in the same way as the substance. Non-contaminated and empty packaging packaging can be recycled.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

No dangerous goods within the meaning of these transport regulations.

**Inland waterway transport (ADN)**

No dangerous goods within the meaning of these transport regulations.

**Marine transport (IMDG)**

No dangerous goods within the meaning of these transport regulations.

**Air transport (ICAO)**

No dangerous goods within the meaning of these transport regulations.

**14.5. Environmental hazards**

DANGEROUS FOR THE ENVIRONMENT: no

**14.6. Special precautions for user**

Protect against direct sunlight.  
 Keep away from food, drink and animal feeding stuffs.

**14.7. Bulk transport according to Annex II of the MARPOL Convention and according to the IBC Code**

not applicable

**SECTION 15: Legislation**

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

**EU regulations**

Restrictions on use (REACH, Annex XVII):	Entry 3
Information on VOC Directive 2004/42/EC:	VOC value: 784 g/L (98 %)

**National regulations**

Employment restrictions:	Observe employment restrictions for young people (§ 22 JArbSchG). Observe employment restrictions for expectant and nursing mothers (§§ 11 and 12 MuSchG).
Water hazard class:	1 - slightly hazardous to water.
Status:	Mixture rule according to Annex 1 No. 5 AwSV

**RCT Sianol-Premium**

Page 8 of 8

**Additional information**

Trade association information (BGI):  
M017 - "Solvents  
M050 - "Handling of hazardous substances".

**15.2. Chemical safety assessment**

A Chemical Safety Assessment has been carried out for the following substances in this mixture:  
Hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic compounds, <2 % aromatics 2-Butoxyethyl acetate (cf. butyl glycol acetate).  
Dipropylene glycol monomethyl ether (mixture of isomers).

**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%  
ATE: acute toxicity estimates  
ECHA: european chemicals agency  
(<http://echa.europa.eu/information-on-chemicals>)  
GESTIS: Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung  
(<http://dguv.de/ifa/GESTIS/GESTIS-Stoffdatenbank/index.jsp>)  
MSDS:

The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier.

**Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].**

Classification	Classification method
Asp. Tox. 1; H304	Calculation method

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

H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H332 Harmful by inhalation.  
EUH066 Repeated exposure may cause skin dryness or cracking.

**Further information**

The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier. The information is based on our present knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship.