

RCT Graffix Basic

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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

Building protection agents; anti-graffiti

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 [CLP]

The product is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2. Label elements:

Note on labeling

The product does not require labeling according to EC directives or the respective national laws.

Observe the usual precautions when handling chemicals.

2.3. Other hazards

No special hazards to be mentioned. In any case, please observe the information in the safety data sheet.

SECTION 3: Composition/Information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Chemical characterization

Aqueous dispersion of fluorine-containing polymers.

Hazardous ingredients

CAS-No.	Designation			Proportion
	EG-No.	Index-No.	REACH-No.	
	GHS classification			
5131-66-8	3-Butoxy-2-propanol			1 – 5 %
	225-878-4	603-052-00-8	01-2119475527-28	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			

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

Specific concentration limits, M-factors and ATE

CAS-No.	Designation	Ptoportion
EG-Nr.	Specific concentration limits, M-factors and ATE	
5131-66-8	3-Butoxy-2-propanol	1 – 5 %
225-878-4	dermal: LD50 = 3100 mg/kg; oral: LD50 = 5010 mg/kg	

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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

Change soiled, saturated clothing.

After inhalation

Provide fresh air.

In all cases of doubt or if symptoms are present, seek medical advice.

After contact with skin

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

If skin irritation occurs, seek medical attention.

After contact with eyes

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

Consult an ophthalmologist.

After ingestion

Immediately rinse mouth and drink plenty of water.

Seek medical advice if symptoms occur or if in doubt.

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

No symptoms known so far.

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

Symptomatic treatment.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Adapt fire extinguishing measures to the surroundings.

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

In the event of fire, the following may be formed: Carbon dioxide (CO₂), carbon monoxide(CO), hydrogen fluoride, fluoropolymers.

5.3. Advice for fire fighting

Use suitable respiratory equipment.

Collect contaminated extinguishing water separately. Do not allow to enter drains or bodies of water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2. Environmental precautions

Do not allow to enter drains, water courses or soil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust) and treat 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

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Information on general hygiene measures at the workplace

Change contaminated, soaked clothing. Do not eat or drink while working. Wash hands before breaks and at the end of work

Further information on handling

Further information: See section 8.

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7.2. Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed.
Storage temperature: 5 - 30 °C.

Information on storage in one common storage facility

Keep away from food, beverages and animal feed.

Further information on storage conditions

Packaging materials: Polyethylene, stainless steel.
Storage class according to TRGS 510: 12 (Non-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

Additional notes on limit values

No national limit values have been specified to date

8.2. Exposure controls and monitoring

Suitable technical control equipment

Ensure adequate ventilation

Eye/face protection

Tight-fitting safety goggles. (DIN EN 166)

Hand protection

Suitable glove type Gauntlet gloves. (EN ISO 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

Only wear suitable, comfortably fitting and clean protective clothing.

Respiratory protection

Respiratory protection is not required when used properly and under normal conditions.

Limitation and supervision of exposure into the environment

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Color:	light yellow
Odor:	characteristic
Odor threshold:	no information available
Melting point/Freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Pour point:	0 °C
Flash point:	220 °C
Flammability Solid/Liquid:	Liquid
Flammability gas:	not applicable
Explosion hazards	not explosive according to EU A.14
Lower explosion limit:	not explosive
Upper explosion limit:	not explosive
Ignition temperature:	not flammable
Auto-ignition temperature solid:	liquid
Auto-ignition temperature gas:	not applicable
Decomposition temperature:	not determined

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Oxidizing properties		non-flammable (oxidizing)
pH value:		not determined
Time to expiration:		not determined
Solubility in water:	(at 21 °C)	miscible
Solubility in other solvents		not determined
Partition coefficient		not determined
n-octanol/water:		
Vapor pressure:	(at 20 °C)	23 hPa calculated
Density	(at 21 °C):	1 g/cm ³ ISO 2811
Relative vapor density:		not applicable

9.2. Other information

Other safety characteristics

Solvent content:	2
Solids content:	not applicable

Further information

No further relevant information available.

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.

Decomposition occurs at temperatures of: > 200°C.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Heat. Frost.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No dangerous 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	Dose		Species	Source	Method
5131-66-8	3-Butoxy-2-propanol					
	oral	LD50	5010 mg/kg	rat	GESTIS	
	dermal	LD50	3100 mg/kg	rabbit	GESTIS	

Irritant and corrosive effects

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.

Specific target organ toxicity at single exposure

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

Specific target organ toxicity in repeated exposure.

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

Aspiration hazard

No classification with regard to aspiration toxicity.

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11.2. Information on other hazards

Other information

No further relevant information available

General remarks

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP]. There are no data for the preparation/mixture itself.

SECTION 12: Environmental information

12.1. Toxicity

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

CAS-No.	Designation					
Aquatic Toxicity	Dose	[h] [d]	Species	Source	Method	
5131-66-8	3-Butoxy-2-propanol					
Acute fish toxicity	LC50 > 560 mg/l	96 h	Poecilia reticulata (Guppy)	ECHA		
Acute algal toxicity	ErC50 > 1000 mg/l	96 h	Selenastrum capricornutum	ECHA		
Acute crustacean toxicity	EC50 > 100 mg/l	48 h	Daphnia magna (Greater water flea)	ECHA		

12.2. Persistence and degradability

There is no information available.

CAS-No.	Designation				
	Method	Value	d	Source	
	Evaluation				
5131-66-8	3-Butoxy-2-propanol				
	Biochemical oxygen demand	86 - 88 %	28		
	Readily biodegradable (according to OECD criteria).				

12.3. Bioaccumulative potential

There is no information available.

Partition coefficient n-octanol/water

CAS-No.	Designation	Log Pow
5131-66-8	3-Butoxy-2-propanol	1,15

12.4. Mobility in soil

There is no information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. Other adverse effects

There is no information available.

12.7. Other adverse effects

No further relevant information available.

Further information

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP]. No data available for the mixture. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the individual components (see section 3)

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

080120 WASTES FROM PRODUCTION, PREPARATION, DISTRIBUTION AND APPLICATION (MFSU) OF COATINGS (PAINTS, VARNISHES, ENAMEL), ADHESIVES, SEALING MATERIALS AND PRINTING INKS; wastes from MFSU and removal of paints and varnishes; aqueous suspensions containing paints or varnishes other than those mentioned in 08 01 19.

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Waste code uncleaned packaging

150102 PACKAGING WASTE, SUPPLIES, WIPING CLOTHES, FILTER MATERIALS AND PROTECTIVE CLOTHING (A.N.G.); packaging (including separately collected municipal packaging waste); plastic packaging.

Disposal of uncleaned packaging and recommended cleaning agents.

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

SECTION 14: Transport information

Land transport (ADR/RID)

No dangerous goods according to above regulations

Inland waterway transport (ADN)

No dangerous goods according to above regulations

Marine transport (IMDG)

No dangerous goods according to above regulations

Air transport (ICAO)

No dangerous goods according to above regulations

14.5. Environmental hazards

DANGEROUS TO THE ENVIRONMENT: no

14.6. Special precautions for the user

Keep away from food, drink and animal feeding stuffs.

Protect against: Frost.

14.7. Bulk transport according to Annex II of MARPOL Convention 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: VOC value: 20 g/L (2 %)

National regulations

Water hazard class: 1 - slightly hazardous for water

Status: Classification of mixtures according to Annex 1, No. 5 AwSV

15.2. Chemical safety assessment

A Chemical Safety Assessment has been performed for the following substances in this mixture:

3-butoxy-2-propanol.

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 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: German Social Accident Insurance Hazardous Substances Information System

(<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.

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

H315	Causes skin irritation.
H319	Causes severe eye irritation.

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.