C-ROCK BLACK Permanent Ceramic Coating

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

1.1. Product identifier

C-ROCK BLACK Permanent Ceramic Coating

UFI: 239Q-6P6U-JY3K-CX7D; 52P9-NS88-JQNQ-U3D4; FHJK-0TEG-CQQC-2T72

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

Use of the substance/mixture

Automotive care products

1.3. Details of the supplier of the safety data sheet

Company name:	SCHOLL Concepts GmbH Polish & Pad Manufaktur	
Street:	Maybachstrasse 7	
Place:	D-71686 Remseck	
Telephone:	+49 (0) 7141 29299 - 0	Telefax: +49 (0) 7141 29299 - 10
E-mail:	sds@schollconcepts.com	
Contact person:	Labor	
Internet:	www.schollconcepts.com	

1.4. Emergency telephone number: +49 (0) 89 19240 (Giftnotruf Technische Universität München)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) Nr. 1272/2008

Acute Tox. 4; H302
Skin Corr. 1B; H314
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) Nr. 1272/2008

Hazard components for labelling

2-butoxyethyl acetate
Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with

Signal word: Danger

C-ROCK BLACK Permanent Ceramic Coating

Pictograms:



Hazard statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Precautionary statements

P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312	Call a POISON CENTER/doctor if you feel unwell.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333+P317	If skin irritation or rash occurs: Get medical help.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315	Get immediate medical advice/attention.
P501	Dispose of waste according to applicable legislation.

Special labelling of certain mixtures

EUH208	Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

C-ROCK BLACK Permanent Ceramic Coating

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) Nr. 1272/2008)			
112-07-2	2-butoxyethyl acetate			10 - < 15 %
	203-933-3	607-038-00-2		
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H332 H312 H302			
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with			10 - < 15 %
	640-361-7			
	Flam. Liq. 2, Water-react. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Chronic 3; H225 H261 H302 H314 H318 H412			
919-30-2	3-aminopropyltriethoxysilane			< 1 %
	213-048-4	612-108-00-0		
	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H302 H314 H317			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
112-07-2	203-933-3	2-butoxyethyl acetate	10 - < 15 %
	inhalation: LC50 = 2,66 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1500 mg/kg; oral: LD50 = 1880 mg/kg		
475645-84-2	640-361-7	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with	10 - < 15 %
	oral: LD50 = 300-2000 mg/kg		
919-30-2	213-048-4	3-aminopropyltriethoxysilane	< 1 %
	dermal: LD50 = 3800 mg/kg; oral: LD50 = 1780 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

IF exposed or concerned: Call a doctor. When in doubt or if symptoms are observed, get medical advice. Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and

wash it before reuse. If skin irritation occurs: Get medical advice/attention.

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. Do NOT induce vomiting. Call a physician immediately.

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

Foam. Dry extinguishing powder. Carbon dioxide (CO2). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, corrosive

5.3. Advice for firefighters

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

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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

General advice

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

For non-emergency personnel

Remove all sources of ignition.Remove persons to safety. Ventilate affected area. Wear personal protection equipment (refer to section 8).

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use personal protection equipment. Wear anti-static footwear and clothing Material, solvent-resistant.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so. Cover drains. Collect spillage. Collect in closed and suitable containers for disposal.

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Use non-sparking tools. Clean contaminated articles and floor according to the environmental legislation.

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

Use only in well-ventilated areas. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Handle and open container with care.

Advice on protection against fire and explosion

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

Advice on general occupational hygiene

Wear protective gloves/protective clothing and eye protection/face protection. Take off contaminated clothing and wash it before reuse. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Draw up and observe skin protection programme.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

Further information on storage conditions

Recommended storage temperature: 15-25°C

SECTION 8: Exposure controls/personal protection

C-ROCK BLACK Permanent Ceramic Coating

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
112-07-2	2-Butoxyethyl acetate	20	133		TWA (8 h)	WEL
		50	332		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
112-07-2	2-butoxyethyl acetate			
Worker DNEL, long-term		inhalation	systemic	133 mg/m³
Worker DNEL, acute		inhalation	systemic	333 mg/m³
Worker DNEL, long-term		dermal	systemic	169 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	120 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	80 mg/m³
Consumer DNEL, acute		inhalation	systemic	200 mg/m³
Consumer DNEL, long-term		dermal	systemic	102 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	8,6 mg/kg bw/day
919-30-2	3-aminopropyltriethoxysilane			
Worker DNEL, long-term		inhalation	systemic	14 mg/m³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	3,5 mg/m³
Consumer DNEL, long-term		dermal	systemic	1 mg/kg bw/day
Consumer DMEL, long-term		oral	systemic	1 mg/kg bw/day

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PNEC values

CAS No	Substance	
Environmental compartment		Value
112-07-2	2-butoxyethyl acetate	
Freshwater		0,304 mg/l
Marine water		0,03 mg/l
Freshwater sediment		2,03 mg/kg
Marine sediment		0,203 mg/kg
Micro-organisms in sewage treatment plants (STP)		90 mg/l
919-30-2	3-aminopropyltriethoxysilane	
Micro-organisms in sewage treatment plants (STP)		1,3 mg/l

8.2. Exposure controls



Appropriate engineering controls

Use only in well-ventilated areas. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection. Suitable eye protection: Eye glasses with side protection (EN 166)

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.
Recommended glove articles : Dermatril P 743, Thickness of the glove material 0,2 mm, level 2 >= 30 min. (DIN EN 374)

Skin protection

Wear suitable protective clothing.

Respiratory protection

Warning! In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Keep away from sources of ignition - No smoking. Keep away from sources of heat (e.g. hot surfaces), sparks

and open flames. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Environmental exposure controls

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	characteristic

		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	not determined	
Flammability:	not applicable not applicable	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Flash point:	68 °C	DIN 51755
Auto-ignition temperature:	not determined	
Decomposition temperature:	not determined	
pH-Value (at 20 °C):	not applicable	
Viscosity / kinematic: (at 40 °C)	not applicable	
Water solubility: (at 20 °C)	practically insoluble	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure: (at 20 °C)	not determined	
Vapour pressure: (at 50 °C)	not determined	
Density:	0,95 g/cm³	
Relative vapour density:	not determined	

9.2. Other information

Other safety characteristics

Viscosity / dynamic:	<100 mPa·s

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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

No known hazardous reactions.

10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

10.5. Incompatible materials

Strong acid. Strong alkali. Oxidising agent.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in CLP Regulation

Toxicocinetics, metabolism and distribution

No information available.

Acute toxicity

Harmful if swallowed. (On basis of test data)

ATEmix tested

	Dose	Species	Source
LD50, oral	1200 mg/kg		

C-ROCK BLACK Permanent Ceramic Coating

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-07-2	2-butoxyethyl acetate				
	oral	LD50 1880 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 1500 mg/kg	Rabbit	RTECS	
	inhalation (1 h) vapour	LC50 2,66 mg/l	Rat	ECHA	OECD 403
	inhalation dust/mist	ATE 1,5 mg/l			
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with				
	oral	LD50 300-2000 mg/kg	Rat		OECD 401
919-30-2	3-aminopropyltriethoxysilane				
	oral	LD50 1780 mg/kg	Rat	RTECS	
	dermal	LD50 3800 mg/kg	Rabbit	RTECS	

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/eye irritation: Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.
Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Specific effects in experiment on an animal

No information available.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
112-07-2	2-butoxyethyl acetate						
	Acute fish toxicity	LC50	28 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203
	Acute algae toxicity	ErC50 mg/l	> 500	72 h	Desmodesmus subspicatus	IUCLID	
	Acute crustacea toxicity	EC50	37 mg/l	48 h	Daphnia magna	ECHA	DIN 38 412 part 11
475645-84-2	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with						
	Acute fish toxicity	LC50 mg/l	57,1	96 h	Danio rerio (zebrafish)		OECD 201
919-30-2	3-aminopropyltriethoxysilane						
	Acute fish toxicity	LC50 mg/l	>934	96 h	Danio rerio (zebrafish)	ECHA	OECD 203
	Acute algae toxicity	ErC50	603 mg/l	72 h	Desmodesmus subspicatus	ECHA	EU Method C.3
	Acute crustacea toxicity	EC50	331 mg/l	48 h	Daphnia magna	ECHA	OECD 202

12.2. Persistence and degradability

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

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
112-07-2	2-butoxyethyl acetate			
	EU Method C.4-D	88%	28	ECHA
	Readily biodegradable (according to OECD criteria).			
919-30-2	3-aminopropyltriethoxysilane			
	OECD 306	75%	28	ECHA
	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
112-07-2	2-butoxyethyl acetate	1,51
919-30-2	3-aminopropyltriethoxysilane	0,31

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. 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

Disposal recommendations

This material and its container must be disposed of as hazardous waste. 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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1760

14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with)

14.3. Transport hazard class(es): 8

14.4. Packing group: II

Hazard label: 8



C-ROCK BLACK Permanent Ceramic Coating

Classification code:	C9
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
Transport category:	2
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1760
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8



Classification code:	C9
Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1760
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with)
14.3. Transport hazard class(es):	8
14.4. Packing group:	II
Hazard label:	8



Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2
EmS:	F-A, S-B
Segregation group:	18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1760
14.2. UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with)

C-ROCK BLACK Permanent Ceramic Coating

14.3. Transport hazard class(es):	8	
14.4. Packing group:	II	
Hazard label:	8	
		
Special Provisions:	A3 A803	
Limited quantity Passenger:	0.5 L	
Passenger LQ:	Y840	
Excepted quantity:	E2	
IATA-packing instructions - Passenger:		851
IATA-max. quantity - Passenger:		1 L
IATA-packing instructions - Cargo:		855
IATA-max. quantity - Cargo:		30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: strongly corrosive.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Additional information

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

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	2 - obviously hazardous to water

Substance/product listed in the following inventories

EU / Schweiz	yes
Taiwan	yes
New Zealand	yes
USA	yes
Canada	unknown
Australia	unknown
Japan	yes
China	unknown
Korea	unknown
Philippines	unknown

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): 9,14.

Abbreviations and acronyms

Water-react. 3: Substances and mixtures which in contact with water emit flammable gases, hazard category 3
Flam. Liq. 2: Flammable liquids, hazard category 2
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Eye Dam. 1: Serious eye damage, hazard category 1
Skin Sens. 1: Skin sensitisation, hazard category 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
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%

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Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	On basis of test data
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H261	In contact with water releases flammable gases.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Formulation or re-packing	F	-	-	8a, 9	2	-	-	
2	Automotive care products, Industrial uses	IS	-	-	7, 10, 17	4	-	-	
3	Automotive care products, Professional uses	PW	-	-	10, 11, 17	8a	-	-	

LCS: Life cycle stages
SU: Sectors of use
PC: Product categories
PROC: Process categories
ERC: Environmental release categories
AC: Article categories
TF: Technical functions

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

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