

Trade name: Ceramic Allround C0.02

Current version : 1.0.0, issued: 26.10.2021

Replaced version: -, issued: -

Region: USA

SECTION 1: Identification**1.1 Product identifier**

Trade name

Ceramic Allround C0.02**1.2 Recommended use of the chemical and restrictions on use**

Recommended use of the chemical and restrictions on use

Coatings

Restrictions on use

No data available.

1.3 Details of the supplier of the safety data sheet

Address

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

1.4 Emergency phone number

(+1) 202 464 2554

SECTION 2: Hazard(s) identification**2.1 Classification of the chemical**

Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"

Acute Toxicity (oral) - Category 4

Aspiration Hazard - Category 1

Serious Eye Damage - Category 1

Flammable Liquids - Category 3

Skin Corrosion / Irritation - Category 1B

Skin sensitization - Category 1

Chemicals which, in Contact with Water, emit Flammable Gases - Category 3

2.2 Label elements

Pictogram(s)



Signal word

Danger

Hazard Statement(s)

Physical hazards

Flammable liquid and vapor
In contact with water releases flammable gas

Health hazards

Harmful if swallowed
May be fatal if swallowed and enters airways
Causes severe skin burns and eye damage
May cause an allergic skin reaction

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Handle under inert gas. Protect from moisture.
Keep container tightly closed.
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/ lighting/equipment.
Use non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Rinse mouth. Do NOT induce vomiting.

Response

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a poison center/doctor.
 Specific treatment (see first aid instruction on this label).
 Rinse mouth.
 Do NOT induce vomiting.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use sand, fire powder, carbon dioxide or foam to extinguish.
 Store in a dry place. Store in a closed container.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
 Dispose of contents/container to a facility in accordance with local and national regulations.

Storage

Disposal

2.3 Labelling information

No data available

2.4 Hazards not otherwise classified (HNOC)

No data available

SECTION 3: Composition / information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Concentration	%
	CAS no.		
1	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam 475645-84-2	>= 25.00 - < 50.00	%-b.w.
2	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics 246538-78-3	>= 25.00 - < 50.00	%-b.w.
3	n-butyl acetate 123-86-4	>= 10.00 - < 25.00	%-b.w.
4	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me 71750-79-3	< 2.50	%-b.w.

SECTION 4: First-aid measures**4.1 Description of necessary first-aid measures****General information**

Adhere to personal protective measures when giving first aid. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation.

After skin contact

Wash immediately with plenty of water for several minutes. Call a doctor immediately.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures

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5.1 Extinguishing media**Suitable extinguishing media**

Dry sand; Carbon dioxide; BC powder

Unsuitable extinguishing media

Water

5.2 Specific hazards arising from the chemicalIn the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x); Vapours are heavier than air and may spread along floors. Reacts with water to form flammable hydrogen gas.**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

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

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area. Keep workstation dry. Product must not come into contact with water.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Protect from atmospheric moisture and water.

Recommended storage temperature

Value max. 25 °C

Requirements for storage rooms and vessels

Keep only in the original container. Keep container hermetically closed in a dry, cool and well-ventilated place. Every month, ventilate the containers appropriately with sufficient ventilation.

Incompatible products

Substances to be avoided: see chapter 10.

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Occupational exposure limit(s)**

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
	ACGIH Threshold Limit Values	
	Butyl acetates, all isomers	
	STEL	150 ppm
	TWA	50 ppm
	OSHA Permissible Exposure Limits (PELS)	

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n-Butyl-acetate				
TWA	710	mg/m ³	150	ppm

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter

Respirator A2 B2 E2 K2 Hg/P3

Eye / face protection

Tightly fitting safety glasses

Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>	0.5	mm
Breakthrough time	>	10	min

Other protection measures

Chemical-resistant work clothes. fire-resistant antistatic protective clothing; Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

SECTION 9: Physical and chemical properties

Form/Color	
liquid	
clear	
Odor	
characteristic	
Odor threshold	
No data available	
pH value	
No data available	
Boiling point / boiling range	
No data available	
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
Value	40 °C
Auto-ignition temperature	
No data available	
Oxidising properties	
No data available	
Explosive properties	
No data available	
Flammability	
No data available	
Lower flammability or explosive limits	
No data available	
Upper flammability or explosive limits	

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No data available		
Vapor pressure		
No data available		
Vapor density		
No data available		
Evaporation rate		
No data available		
Relative density		
No data available		
Density		
Value	0.9186	g/cm ³
Reference temperature	20	°C
Solubility in water		
Remarks	Reacts with water	
Solubility(ies)		
No data available		
Partition coefficient: n-octanol/water		
No data available		
Viscosity		
Value	6	mm ² /s
Reference temperature	40	
Other information		
Other information		
No data available.		

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

Vapours may form an explosive mixture with air.

10.2 Chemical stability

The product rapidly hydrolyses to hydrogen and ammonia in the presence of water and moisture.

10.3 Possibility of hazardous reactions

Contact with the substances to be avoided leads to violent reactions.

10.4 Conditions to avoid

Heat, open flames and other sources of ignition. Protect from sun. Protect from humid air and water.

10.5 Incompatible materials

Water; Oxidizing agents; Acids; Bases; Halogenated compounds

10.6 Hazardous decomposition products

Hydrogen; Ammonia

SECTION 11: Toxicological information**Information on toxicological effects**

Acute oral toxicity (result of the ATE calculation for the mixture)	
ATE (Mixture)	1250. mg/kg 00
Method	Applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3.
Acute oral toxicity	
No data available	
Acute dermal toxicity	
No data available	
Acute inhalational toxicity	
No data available	
Skin corrosion/irritation	

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No data available
Serious eye damage/irritation
No data available
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
NTP Report on Carcinogens (RoC)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).
OSHA Standards listing cancer as a health effect (Table VII.6.2)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) classified by the IARC Monographs.
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

12.6 Other information

Other information
Do not discharge into drains or waters and do not dispose of in public landfills.

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SECTION 13: Disposal considerations**13.1 Disposal considerations****Product**

Dispose in accordance with federal, state and local regulations.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

SECTION 14: Transport information**14.1 US DOT (Department of Transportation)**

Transport hazard class	4.3
Packaging group	II
UN/NA number	UN3129
UN proper shipping name	Water-reactive liquid, corrosive, n.o.s
Label code(s)	4.3, 8
Danger releasing substance	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam

14.2 Transport IMDG

Class	4.3
Subsidiary Risk	8
Packaging group	II
UN number	UN3129
Proper shipping name	WATER-REACTIVE LIQUID, CORROSIVE, N.O.S.
Danger releasing substance	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam
EmS	F-G, S-N
Label	4.3+8

14.3 Transport ICAO-TI / IATA

Class	4.3
Subrisk	8
Packaging group	II
UN number	UN3129
Proper shipping name	Water-reactive liquid, corrosive, n.o.s.
Danger releasing substance	Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanam
Label	4.3+8

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 US Federal Regulations****Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

The product contains following substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities"

No	Substance name	CAS no.
1	n-butyl acetate	123-86-4

Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Air Pollutants".

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Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
EPCRA SARA Section 313, Toxic Chemical Release Inventory		
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to "SARA Reporting".		
Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304		
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.		
Clean Air Act (CAA) - Section 602 Ozone depleting substances		
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.		

15.2 US State Regulations

Pennsylvania State Right to Know Hazardous Substance List		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
New Jersey State Right to Know Hazardous Substance List		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
Massachusetts State Right to Know Hazardous Substance List		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
California Code of Regulations Title 8 §339, Hazardous Substances List		
The product contains following substance(s) that are considered to be "Hazardous Substances".		
No	Substance name	CAS no.
1	n-butyl acetate	123-86-4
Right to Know - California State - Proposition 65		
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".		

SECTION 16: Other information, including date of preparation or last revision

16.1 Other information

No data available.

16.2 Date of preparation/revision of the SDS

Current version	1.0.0	26.10.2021
Replaced version	-	-

16.3 Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

16.4 Conclusions

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Prod-ID 779717

16.5 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists

ATE - Acute Toxicity Estimate

BOD - Biochemical Oxygen Demand

CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania

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CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations (US)
CLP - Classification, Labelling, and Packaging
DOT - Department of Transportation Commission
ECHA – European Chemicals Agency
EC / EL – Effective Concentration / Effective Loading
EPA - Environmental Protection Agency
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – Intermediate Bulk Container
ICAO - International Civil Aviation Organization
IDL - Ingredient Disclosure List
IDLH - Immediately Dangerous to Life and Health
IMDG - International Maritime Dangerous Goods
IUCLID - International Uniform Chemical Information Database
Kow - Octanol/water partition coefficient
LD/LC - Lethal Dose/ Lethal Concentration
MARPOL – Marine Pollution
MEL - Maximum Exposure Limits
NFPA - National Fire Protection Agency
NIOSH - National Institute for Occupational Safety and Health
NJTSR - New Jersey Trade Secret Registry
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL- Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reauthorization Act
STEL - Short-term Exposure Limit
STOT – Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
UN/NA - United Nations /North American
US - United States
VLE - Exposure Limit Value (Mexico)
VOC – Volatile Organic Compounds