

**Trade name:** Clay Spray**Product no.:** 368999**Current version :** 1.0.0, issued: 20.04.2020**Replaced version:** 1.0.0, issued: 19.04.2020**Region:** USA**SECTION 1: Identification****1.1 Product identifier**

Trade name

**Clay Spray****1.2 Recommended use of the chemical and restrictions on use****Recommended use of the chemical and restrictions on use**

auxiliary agents

Lubricant

**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 information**

This product is not subject to classification in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication".

**2.2 Label elements**

Not relevant

**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	%
1	2-butoxyethanol	< 2.50	%-b.w.
	111-76-2		

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

Remove contaminated clothing and shoes and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

When in contact with the skin, clean with soap and water.

**After eye contact**

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

**After ingestion**

**Trade name:** Clay Spray**Product no.:** 368999**Current version :** 1.0.0, issued: 20.04.2020**Replaced version:** 1.0.0, issued: 19.04.2020**Region:** USA

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

**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****5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Carbon dioxide; Alcohol-resistant foam

**Unsuitable extinguishing media**

Full water jet

**5.2 Specific hazards arising from the chemical**In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear protective clothing.

**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.

**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****General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not inhale vapours.

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

Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**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	2-butoxyethanol	111-76-2
<b>ACGIH Threshold Limit Values</b>		
2-Butoxyethanol		
	TWA	20 ppm
	Remarks	A3; BEI
<b>OSHA Permissible Exposure Limits (PELS)</b>		
2-Butoxyethanol		
	TWA	240 mg/m <sup>3</sup> 50 ppm

**8.2 Exposure controls**

**Trade name:** Clay Spray

**Product no.:** 368999

**Current version :** 1.0.0, issued: 20.04.2020

**Replaced version:** 1.0.0, issued: 19.04.2020

**Region:** USA

**Appropriate engineering controls**

Provide good ventilation of working area (local exhaust ventilation if necessary).

**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 dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses

**Hand protection**

In case of intensive contact wear protective gloves. 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.

**Other protection measures**

Chemical-resistant work clothes.

**SECTION 9: Physical and chemical properties**

<b>Form/Color</b>			
liquid			
colorless			
<b>Odor</b>			
of lemon			
<b>Odor threshold</b>			
No data available			
<b>pH value</b>			
No data available			
<b>Boiling point / boiling range</b>			
Value	appr.	100	°C
<b>Melting point / melting range</b>			
No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value	>	93	°C
<b>Auto-ignition temperature</b>			
No data available			
<b>Oxidising properties</b>			
No data available			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapor pressure</b>			
No data available			
<b>Vapor density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			

Trade name: Clay Spray

Product no.: 368999

Current version : 1.0.0, issued: 20.04.2020

Replaced version: 1.0.0, issued: 19.04.2020

Region: USA

Value	1	g/cm <sup>3</sup>
Reference temperature	20	°C
<b>Solubility in water</b>		
No data available		
<b>Solubility(ies)</b>		
No data available		
<b>Partition coefficient: n-octanol/water</b>		
No data available		
<b>Viscosity</b>		
No data available		
<b>Other information</b>		
<b>Other information</b>		
No data available.		

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

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions(See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not expecting handling the product according to its intended use.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

No data available.

**10.6 Hazardous decomposition products**

No data available.

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

<b>Acute oral toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE oral > 2000 mg/kg).
<b>Acute oral toxicity</b>	
<b>No</b>	<b>Substance name</b>
<b>1</b>	<b>2-butoxyethanol</b>
	<b>CAS no.</b>
	<b>111-76-2</b>
LD50	1414 mg/kg bodyweight
Species	rat
Method	OECD 401
Source	ECHA
<b>Acute dermal toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).
<b>Acute dermal toxicity</b>	
No data available	
<b>Acute inhalational toxicity (result of the ATE calculation for the mixture)</b>	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE for inhalation: > 20.000

Trade name: Clay Spray

Product no.: 368999

Current version : 1.0.0, issued: 20.04.2020

Replaced version: 1.0.0, issued: 19.04.2020

Region: USA

ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

**Acute inhalational toxicity**

No	Substance name	CAS no.		
1	2-butoxyethanol	111-76-2		
	LC50		2.56	mg/l
	Duration of exposure		4	h
	State of aggregation	mist		
	Species	rat		
	Method	OECD 403		
	Source	ECHA		

**Skin corrosion/irritation**

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**

The product contains following substance(s) classified by the IARC Monographs

No	Substance name	CAS no.	Group
1	2-butoxyethanol	111-76-2	3

**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**

**Trade name:** Clay Spray**Product no.:** 368999**Current version :** 1.0.0, issued: 20.04.2020**Replaced version:** 1.0.0, issued: 19.04.2020**Region:** USA

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 product unmonitored into the environment.

**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)**

The product is not subject to DOT regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**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	2-butoxyethanol	111-76-2

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

The product contains following substance(s) that are considered being "Hazardous Air Pollutants".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)**

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 Substances".

**EPCRA SARA Section 313, Toxic Chemical Release Inventory**

The product contains following substance(s) that are considered being subject to "SARA Reporting".

Trade name: Clay Spray

Product no.: 368999

Current version : 1.0.0, issued: 20.04.2020

Replaced version: 1.0.0, issued: 19.04.2020

Region: USA

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**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 being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**New Jersey State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**Massachusetts State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

**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 being "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	20.04.2020
Replaced version	1.0.0	19.04.2020

**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.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 765085

**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  
 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

---

**Trade name:** Clay Spray

**Product no.:** 368999

**Current version :** 1.0.0, issued: 20.04.2020

**Replaced version:** 1.0.0, issued: 19.04.2020

**Region:** USA

---

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