

Safety data sheet according to 1907/2006/EC, Article 31

Buum® Standard Type III R COARSE - FINE

according to current guidelines : 01.01.2022

total pages: 1-7

Section 1 - Identification of the substance or mixture and of the company

1.1. Product identifier - Trade name

- **Buum® Standard Oil binding agent Type III R (mineral)**
Oil binding agent for the absorption of environmentally hazardous liquids on solid surfaces
CAS number: 1344-95-2
EC number: 215-710-8
Registration number 01-2119803082-54-0000
Customs tariff number (TARIC) HS Code 28399000

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

- No further relevant information available.
- Use of the substance/ the mixture - mineral absorber type III R

Manufacturer / Supplier:

- Buum Herstellung u. Vertrieb
umwelttechnischer Produkte GmbH & Co. KG
Hamburgerstr.27 D
D-22952 Lütjensee

Information Officer / Section / emergency:

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Section 2 - Hazards Identification

2.1. Classification of the substance or mixture

- **Classification according to Regulation (EC) No. 1272/2008**
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** - not applicable
- **Information concerning particular hazards for humans and the environment**
The product is not subject to labeling due to the calculation method of the "General EU Classification Guideline for Mixtures" in the latest version.
- **Classification system**
The classification corresponds to the current EC lists, but is supplemented by Information from specialist literature and company information.

2.2. Label elements

- **Labeling according to Regulation (EC) No. 1272/2008** - not applicable
Hazard pictograms - not applicable
Signal word - not applicable
Hazard warnings - not applicable

2.3. Other hazards

- **Results of PBT- and vPvB- assessment - not applicable**
PBT (persistent, bioaccumulative and toxic)
vPvB (very persistent and very bioaccumulative)

Section 3 - Composition/ Information on ingredients

3.1. Chemical characterisation - solids

CAS-No.	Description	1344-95-2 Calcium silicat
Identification number		
EC-Number		215-710-8

Additional note: filler based on calcium silicate hydrate with tobermorite structure (CSH mineral).

Section 4 - First aid measures

4.1. Description of first aid measures

- **general information:** No special measures required.
- **After inhalation:** supply fresh air, consult a doctor in case of complaints.
- **After skin contact:** Wash off immediately with soap and water and rinse well.
- **After eye contact:** Rinse eyes with running water for several minutes with the eyelids open. If symptoms persist, consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms persist, consult a doctor.

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

- Inhaling the dust can cause shortness of breath, tightness in the chest, sore throat and coughing.
- Dust particles irritate the eyes mechanically.

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

- Symptomatic therapy should be initiated.

Section 5 - Fire-fighting procedures

5.1. Extinguishing media

- The product itself does not burn.
- Use fire fighting measures that suit the environment.

5.2. Special hazards arising from the substance or mixture

- No further relevant information available.

5.3. Advice for firefighters

- Protective equipment: No special measures required.
- Further information: Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

Section 6 - Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Avoid dust formation.
- Do not breathe in dust.
- Avoid contact with product.

6.2. Environmental protection measures

- Do not discharge into the drains or waterways.

6.3. Methods and material for containment and cleaning

- Pick up mechanically.
- Send in suitable containers for recycling or disposal.

6.4. Reference to other sections

- No release of hazardous substances.

Section 7 - Handling and storage

7.1. Precautions for safe handling

- Avoid dust formation.
- Avoid contact with eyes and skin.
- Provide suction if dust is formed.
- **Advice on protection against fire and explosion** - No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

- **Requirements for storage rooms and containers:** Protect from moisture.
- **Advice on common storage:** Not required
- **Further information on storage conditions:** Store in a dry place.
- **Storage class: 13 (non-combustible solids)** according to the VCI concept
- **Classification according to the Ordinance on Industrial Safety and Health (BetrSichV):** not applicable

Section 8 - Exposure controls/ personal protection

8.1. Control parameters

- Components with limit values that require monitoring at the workplace: Not applicable

- **DNEL values**

344-95-2 calcium silicate

Inhalation (worker, long-term, local)

4 mg / m³ (human)

- **PNEC values**

1344-95-2 calcium silicate

aqua (fresh water)

4 mg / L (.)

- **CAS-No. Name of the substance% Type Value Unit**

Additional exposure limit values for possible processing hazards:

AGW: Occupational exposure limit / general dust exposure limit - AGW: 3 A mg / m³; 10 E mg / m³

- **Additional information:** The lists valid during the making were used as basis.

8.2. Exposure controls Personal - protective equipment

- **General protective and hygienic measures:**

The usual precautionary measures when handling chemicals must be observed.

Wash hands before breaks and at the end of work.

Do not eat and drink during work.

Do not inhale dust/ smoke/ mist.

- **Respiratory protection:**

Provide suitable extraction / ventilation at the workplace or on the machines.

In dusty conditions or if exposure limit values are exceeded, approved dust breathing filters must be used - filter P3.

With room ventilation - Not required

- **Hand protection:** protective gloves.

Selection of the glove material taking the breakthrough times into account,

Permeation rates and degradation.

The selection of a suitable glove does not only depend on the material, but also on others

Depending on quality features and different from manufacturer to manufacturer.

- **Penetration time of the glove material:**

In the case of solid dry substances, permeation is not to be expected.

The breakthrough time for this protective glove has therefore not been determined.

For the permanent contact gloves made of the following materials are suitable: Nitrile rubber

- **Eye protection:** Tightly fitting protective goggles.

Section 9 - Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **General information/ appearance**

form: granules

color: white

odor: odorless

pH value (40 g / l) at 20 ° C: 9.5

- **Change of state**

Melting point/ melting range: Not applicable

Boiling point/ boiling range: Not applicable

Flash point: Not applicable

Self-igniting: The product is not self-igniting.

Explosion hazard: The product is not explosive.

Explosion limits: lower: not determined/ upper: not determined.

Vapor pressure: Not applicable.

- **Density at 20 ° C:** 2,7 g / cm³

- **Solubility in/ Miscibility with Water:** Insoluble/ Organic solvents: 0,0%, Water: 0,0%

- **Solid content:** 100,0%

- **Other information:** No further relevant information available.

Section 10 - Stability and reactivity

10.1. Reactivity - No further relevant information available

10.2. Chemical stability - thermal decomposition/ conditions to be avoided:
No decomposition if used as directed.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: Protect from moisture.

10.5. Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: No dangerous decomposition products known.

Section 11 - Toxicological information

11.1. Information on toxicological effects

- **Acute toxicity:**
Classification-relevant LD / LC50 values:
- **1344-95-2 calcium silicate**
Oral LD50 -> 10000 mg / kg (rat) (OECD 401)
Dermal LD50 -> 5000 mg / kg (rabbit) (OECD 402)
Inhalation LC50 -> 58.8 mg / l / 4h (rat) (OECD 403)
- **Primary irritant effect:**
on the skin: Slightly irritating
on the eye: irritating effect
Sensitization: No sensitizing effects known
Human experience:
Inhaling the dust can cause shortness of breath, tightness in the chest, sore throat and coughing.
Dust particles irritate the eyes mechanically.
- **Additional toxicological information:**
The product is not subject to labeling due to the calculation method of
General classification guideline for mixtures of the EC in the latest valid version.

Section 12 - Ecological information

12.1. Toxicity/ Aquatic toxicity:

- **1344-95-2 calcium silicate**
EC50 (static) -> 1000 mg / l / 72h (Desmodesmus subspicatus) (OECD 201)
-> 10000 mg / l / 48h (Daphnia magna) (OECD 202)
LC50 (static) -> 1000 mg / l / 96h (Oncorhynchus mykiss) (OECD 203)

12.2. Persistence and degradability:

Inorganic product cannot be eliminated from the water by biological cleaning processes.

12.3. Other information: The product is not biodegradable.

12.4. Behavior in environmental compartments:

- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information / general information: Not hazardous to water
- Results of the PBT and vPvB assessment: Not applicable.
- **Other adverse effects:** No further relevant information available.

Section 13 - Disposal considerations

13.1. Waste treatment methods

- **Recommendation:**
After consultation with the necessary technical regulations and together with the disposal company as well as the responsible authority, can be disposed of with household waste
The mentioned waste codes are recommendations based on the expected use of the product.
- **Uncleaned packaging/ recommendation:**
 - Disposal according to official regulations.
- **European waste catalog**

01 00 00	WASTE PRODUCED BY SEARCHING, EXPLOITING AND EXTRACTING, AND IN THE PHYSICAL AND CHEMICAL TREATMENT OF SOURCE RESOURCES ARE CREATED
01 01 00	Waste from the extraction of mineral resources
01 01 02	Wastes from the extraction of non-metallic natural resources
01 04 00	Waste from physical and chemical processing of non-metallic mineral resources
01 04 08	Waste from gravel and broken rocks other than those mentioned in 01 04 07

Section 14 - Transport information

14.1. UN-Number (United Nations Dangerous Goods- number/ UNDG)

- **ADR, ADN, IMDG, IATA** - not applicable

14.2. Proper UN- shipping name

- **ADR, ADN, IMDG, IATA** - not applicable

14.3. Transport hazard classes

- **ADR, ADN, IMDG, IATA class** - not applicable

14.4. Packing group / **ADR, IMDG, IATA** - not applicable

14.5. Environmental Hazards/ **Marine Pollutant** - No.

14.6. Special precautions for user - Not applicable.

14.7. Transport in bulk according to **Annex II of the MARPOL Convention 73/78 and the IBC Code** - Not applicable.

14.8. Transport/ Additional information: No dangerous goods according to the above regulations **UN "Model Regulation"** - not applicable

Section 15 - Regulatory information

15.1. Safety, health and environmental regulations/ specific Legislation for the substance or mixture/ **Directive 2012/18/EU**

- **Labeling according to Regulation (EC) No. 1272/2008** - not applicable
- **Hazard pictograms** - not applicable
- **Signal word** - not applicable

- **Hazard notes** - not applicable
- **National regulations**
Classification according to the Ordinance on Industrial Safety and Health (BetrSichV): not applicable
Water hazard class: Generally not hazardous to water.
Chemical safety assessment: A chemical safety assessment has not been carried out.

Section 16 - Other information

- The information is based on our current level of knowledge, but they do not represent any assurance of product properties and do not establish a contractual legal relationship.
- Department issuing data sheet: This EC safety data sheet was created in cooperation with DEKRA Consulting GmbH.

Abbreviations and acronyms:

RID: Règlement International Concernant Le Transport des Marchandises Dangereuses par Chemin de Fer (Vorschriften für den internationalen Transport gefährlicher Güter auf der Schiene)

ICAO: Internationale Zivilluftfahrt-Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Abkommen über die internationale Beförderung gefährlicher Güter auf der Straße)

IMDG: Internationaler Seeverkehrskodex für gefährliche Güter

IATA: International Air Transport Association

GHS: Global harmonisiertes System zur Klassifizierung und Kennzeichnung von Chemikalien

EINECS: Europäisches Inventar bestehender kommerzieller chemischer Substanzen

CAS: Chemical Abstracts Service (Abteilung der American Chemical Society)

DNEL: Abgeleiteter No-Effect-Level (REACH)

PNEC: Voraussichtliche No-Effect-Konzentration (REACH)

LC50: Tödliche Konzentration, 50 Prozent

LD50: Tödliche Dosis, 50 Prozent

English

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organization

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

REACH-Verordnung - Registration, Evaluation, Authorisation and Restriction of Chemical