


MATERIAL SAFETY DATA SHEET according to EU Directive 93/112/EC		
DRYZONE		
Version: 2	Print date: 25.1.08	

1. Identification of Substance/Preparation and Company

Product Name	Dryzone
Company	Biokil Crown Ltd 7 Stadium Ind Park, Long Eaton Nottingham, NG10 2DD
Telephone	0115 946 0060
Fax	0115 946 9767
Emergency Telephone	07967 10 71 95

2. Composition / Information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Triethoxy(2,4,4-trimethyl pentyl)silane	30-60%	35435-21-3	252-558-1	R10-52/53	None
Bentonite	1-5%	14808-60-7	None	None	None
Triethoxyoctylsilane	10-30%	2943-75-1	220-941-2	R38	Xi

3. Hazards identification


- Odour: Faint characteristic odour
- Appearance: cream, white
- Contact with eyes: May cause irritation
- Contact with skin: May cause irritation
- Inhalation: Not expected to present a hazard
- Ingestion: May cause gastro-intestinal disturbances.

4. First aid measures

- Contact with skin
- Remove contaminated clothing
 - Wash affected area with plenty of soap and water
 - When in doubt or symptoms persist, seek medical attention
- Contact with eyes
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Irrigate eyes thoroughly whilst lifting eyelids
 - Seek medical attention if irritation persists
- Ingestion
- Do not induce vomiting
 - Rinse mouth with water (do not swallow)
 - Give 200-300mls (half pint) water to drink
 - Seek medical attention
- Inhalation
- If high concentrations are inhaled, and any irritation is experienced, remove to fresh air
 - When in doubt or symptoms persist, seek medical attention

15. Fire fighting measures

- Combustible, Flash point 74 deg C (CC)
- Carbon oxides may be formed
- Substance evolves toxic fumes, wear self-contained breathing apparatus
- In case of fire use water, foam, carbon dioxide or dry agent (S43)

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6. Accidental release measures

Personal Precautions

- Shut off all ignition sources
- Wash thoroughly after dealing with spillage

Environmental Precautions

- Use appropriate containment to avoid environmental contamination (S57)
- Do not allow to enter public sewers and watercourses

Clean Up Actions

- Absorb spillage in inert material and shovel up
- Place in appropriate container

7. Handling and storage

Handling

- Wash hands thoroughly after using this substance
- When using do not eat, drink or smoke (S20/21)
- Avoid contact with acid
- Avoid contact with oxidising substances
- Keep away from heat and sources of ignition
- Avoid contact with skin (S24)

Storage

- Keep in a cool, dry, well ventilated place
- Store above 5 °C
- Keep container tightly closed (S7)

8. Exposure controls / personal protection

Exposure Limits

- There are no recommended or established controls for this product

Bentonite

- MEL / LTEL # ppm 0.3 mg/m³
- (Germany) MAK # ppm 0.15 mg/m³

Exposure controls


- No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

- Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Wear goggles giving complete eye protection
- Wear PVC gloves
- Wear apron or other light protective clothing

9. Physical and chemical properties

- Odour: Faint characteristic odour
- Appearance: cream, white
- pH 8
- Completely soluble in water
- Combustible, Flash point 74 deg C (CC)

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10. Stability and reactivity

- Stable
- Avoid overheating
- Incompatible with acid, Incompatible with oxidizing substances
- Decomposition products may include oxides of carbon, and silica

11. Toxicological information

- Toxicological information
- LC50 (inhalation, rat) >5.2 mg/l/4h
- Inhalation
- May cause drowsiness
- Contact with skin
- May cause irritation
- Contact with eyes
- May cause irritation
- Ingestion
- May cause gastro-intestinal disturbances

12. Ecological information


- Ecotoxicity
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)
- Mobility
- No information available
- Persistence and Biodegradability
- Not readily biodegradable
- Bioaccumulation Potential
- No information available

13. Disposal considerations

- Classification
- This material and/or its container must be disposed of as hazardous waste
- Disposal considerations
- In UK, surplus product should be declared a 'Special Waste'. Refer to the 'Control of Pollution (Special Waste) Regulations 1980 - SI 1709'
 - Disposal should be in accordance with local, state or national legislation

14. Transport information

- Not classified as hazardous for transport

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15. Regulatory information

Classification and labelling

- This Safety Data Sheet does not constitute a workplace risk assessment

Applicable Laws

- This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)

Risk Phrases

- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

Safety Phrases

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

16. Other Information

Text of R and S phrase codes used in this safety data sheet: - R10: Flammable; R38: Irritating to skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.