

Product Name : ZEOMIC WHW10NS
 MSDS No. : ES-0018
 Revision Date : September 13, 2010

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Product Name : ZEOMIC WHW10NS
 Company Name : Sinanen Zeomic Co., Ltd.
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 Aichi-ken, 455-0051, JAPAN
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 Mobile phone number: 81-90-3527-8396
 MSDS Number : ES-0018

2. Hazards Identification

Emergency overview : Can cause eye and respiratory tract irritation upon
 repetitive or prolonged exposure.
 GHS classification : Not applicable

3. Composition, Information on Ingredients

Chemical Name : Mixture material
 Chemical formula : Aluminosilicate
 $M_{2/n}O \cdot Al_2O_3 \cdot 2.5SiO_2 \cdot XH_2O$
 (M: Ag, NH₃, Na n: valence of M X: integral number)
 Polysaccharide
 Water dispersion product of and
 Japanese Chemical : 1-508 as sodium silicate; 1-23 as aluminum oxide; 1-9 as
 Regulation No. silver II oxide but do not exist as the simple substance.
 Registration
 CAS number : 1318-02-1
 Registration

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4. First Aid Measures

- Eye contact** : Immediately flush with water; obtain medical attention if prolonged feeling of foreign body.
- Skin contact** : Wash exposed area with soap and water.
Obtain medical attention if irritation develops.
- Inhalation** : Remove to fresh air area, and gargle with plenty of water.
Obtain medical attention for any breathing difficulty.
- Ingestion** : Gargle with plenty of water. Get medical attention.

5. Fire Fighting Measures

- Means for extinguishing** : Not flammable and will not support combustion.

6. Accidental Release Measures

Use a vacuum to clean up spillage. Avoid excessive dust generation. Use gentle water spray to wet down and minimize dust generation. Use respiratory protection as mentioned in informative 8.

Do not wash to sewer or waterway. Prevent entry into waterways, sewers, basements or confined areas. Put the material into a convenient waste disposal container and dispose according informative 13. Prevent secondary contamination avoiding dust diffusion.

7. Handling and Storage

- Handling** : Avoid generating dust during transportation. Keep containers closed when not used.
- Storage** : High hygroscopic material , store under closed and tight-shielded condition into the original container when not used. Avoid abuse of the containers.

8. Exposure Controls/Personal Protection

- Facility measures** : Particularly no it
- Concentration to be managed** : Not applicable

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Allowable exposure concentration : Not applicable

Protective materials

Inhalation : Wear a respiratory face mask
Eyes : Wear protective glasses
Hand : Wear protective gloves
Body : Wear protective clothing

9. Physical and Chemical Properties

Appearance : White slurry
Smell : No peculiar smell
pH : 8.0 ± 1.0
Ignition point : Incombustibles
Solubility : Insoluble in water
 Soluble in water

10. Stability and Reactivity

Chemical Stability : Stability
Oxidizing Property : None reported
Hazardous Decomposition : None reported

11. Toxicological Information

Acute toxicity : Rat Oral LD₅₀>5000mg/kg
 Rat Oral LD₅₀>5000mg/kg
Skin irritation : Negative
 No data
Skin Sensitization : Negative
 No influence(With 1% solution for rabbit eye and skin)
Chronic toxicity : NOEL:0.011g/kg weight/day
 No data
Acute inhalation toxicity : Rat Inhalation LC₅₀>2.68mg/L
 No data

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Carcinogenicity : Negative
 No data
Mutagenicity : Negative
 No data
Teratogenicity : None reported
 No data
Reproductive toxicity : None reported
 No data

Aluminosilicate Polysaccharide

12. Ecological Information

Mobility : None reported
Residual property/ : None reported
Resolvability : Easily biodegradation
Acute hazardous to the aquatic environment : Rainbow trout LC₅₀(96hrs) 16.9mg/L
 Water flea EC₅₀(24hrs) 700-800mg/L

13. Disposal Information

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused containers in compliance with local or regional laws and regulations.

14. Transportation Information

International Regulations

UN Class • UN # : Not regulated
Sea transportation : Not regulated
Air transportation : Not regulated

Domestic Regulations

Ground transportation : Not regulated
Sea transportation : Not regulated
Air transportation : Not regulated

Additional information for : Use strong well-sealed containers and avoid direct sun light

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safety transport exposure, physical damage, corrosion, leakage, crumble.
Keep attention to water and moisture.

15. Regulatory Information

Japan laws regarding to disposal of waste material and cleaning operation.

16. Other information

None

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