

MATERIAL SAFETY DATA SHEET

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Revision:1

Feb.04, 2010

Washing ball

TS2010011209-5



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Commercial Product Name : Washing ball
Model : ZT-01/02/03/05/06/07/08/09/10/12/13/15.
Company : PingXiang Zhongtai Environmental Chemical
Packing CO.,Ltd
: 65, East Road Of Dengan, Economic And echnological
Development Zone,Pingxiang City, Jiangxi, China
Emergency telephone number : +86-0799-6760018

2. HAZARDS IDENTIFICATION

Most important hazards : Contact with eye may cause eye irritation.
May be harmful if swallowed, may cause gastrointestinal irritation
with nausea, vomiting and diarrhea.
Environmental properties : Not hazardous.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 ceramic grain

Substance name	Value(s)	CAS No.	EC No.	Symbol(s)	R-Phrase(s)
SiO ₂	: 66.23%	7631-86-9	231-545-4	----	----
Al ₂ O ₃	: 11.11%	1344-28-1	215-691-6	----	----
Fe ₂ O ₃	: 1.57%	----	----	----	----
Na ₂ O	: 1.80%	1313-59-3	215-208-9	----	R14
K ₂ O	: 4.78%	----	----	----	----
MgO	: 2.32%	1309-48-4	215-171-9	----	----
CaO	: 5.98%	1305-78-8	215-138-9	----	R14,R22
ZnO	4.38%	1314-13-2	215-222-5	----	R50/53
B ₂ O ₃	1.08%	1303-86-2	215-125-8	----	R36/37/38
Rare earth, Additive	0.75%	----	----	----	----

3.2 TPR Plastic

Substance name	Value(s)	CAS No.	EC No.	Symbol(s)	R-Phrase(s)
Emulsion polymerized styrenebutadiene rubber	: 20%	9002-86-2	----	----	----
Polybutadiene diacrylate	: 5%	----	----	----	----
Polypropylene	: 35%	9003-07-0	----	----	----
Plasticizer	: 10%	----	----	----	----
Padding	: 20%	----	----	----	----
Anti-ultraviolet nanometer finishing agent	: 5%	----	----	----	----
Antioxidant	: 5%	----	----	----	----

Full text of R-phrases : See section 16.

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4. FIRST AID MEASURES

- Inhalation : If symptoms are experienced, move victim to fresh air.
Obtain medical attention if breathing difficulty persists.
- Skin contact : Flush skin with plenty of water for at least 15 minutes, Remove contaminated clothing and shoes. Wash clothing before reuse.
Thoroughly clean shoes before reuse. Get medical aid if irritation develops or persists.
- Eye contact : Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Get medical aid if irritation develops or persists..
Not a probable route of exposure.
- Ingestion : If person is conscious, rinse mouth with water.
Do not induce vomiting unless directed to do so by a physician.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water fog, dry chemical, carbon dioxide or foam as appropriate for materials in surrounding fire.
Avoid using direct streams of water on molten burning material as it may scatter and spread the fire.
- Specific hazards : Carbon monoxide, carbon Dioxide, Metal oxide.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Avoid contact with skin, eyes and clothing.
Avoid entering into waters or underground water.
- Methods for cleaning up : Do not empty into drains.
Soak up with inert absorbent material
Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

- Storage : Store in a cool, dry place. Store in a tightly closed container.
Keep away from water. Corrosives area.
Avoid contact with eyes skin and clothing.
- Handling : Avoid ingestion and inhalation.
Wash thoroughly after handling.
Avoid breathing dust, vapor, mist or gas.
- Packaging material : Keep in properly labelled containers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment	:	
Respiratory protection	:	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hand protection	:	Wear appropriate gloves to prevent skin exposure.
Eye protection	:	Wear appropriate protective gloves to prevent skin exposure. Wear appropriate protective eyeglasses or chemical safety goggles
Hygiene measures	:	Use only in area provided with appropriate exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	:	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Solid.
Colour	:	Colourless.
Odour	:	Odourless.
pH	:	No data available.
Boiling point/range	:	No data available.
Melting point/range	:	No data available.
Flash point	:	No data available.
Evaporation rate	:	No data available.
Vapour density	:	No data available.
Solubility in other solvents	:	No data available.
Explosive properties	:	No data available.
Oxidising properties	:	No data available.
Vapour pressure	:	No data available.
Relative density	:	No data available.
Water solubility	:	Insoluble.
Viscosity	:	No data available.
Partition coefficient (n-octanol/water)	:	No data available.

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions. Absorbs carbon dioxide from the air.
Hazardous decomposition products	:	Carbon monoxide, carbon dioxide, acrid smoke and fumes.
Materials to avoid	:	Strong oxidising agents, Strong acids. Heat, flames and sparks, excessive dust generation.
Conditions to avoid	:	Incompatible materials, exposure to air, exposure to moist air or water.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	:	B ₂ O ₃ (CAS No.: 1303-86-2) Draize test, rabbit, eye: 50 mg; Draize test, rabbit, skin: 1 gm; Oral, mouse: LD50 = 3163 mg/kg; Oral, rat: LD50 = 3150 mg/kg. ZnO (CAS No.: 1314-13-2) Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 500 mg/24H Mild; Inhalation, mouse: LC50 = 2500 mg/m ³ ; Oral, mouse: LD50 = 7950 mg/kg.
Inhalation	:	Al ₂ O ₃ (CAS No.: 1344-28-1) Oral, rat: LD50 = >5000 mg/kg Causes respiratory tract irritation. May cause respiratory tract irritation. Inhalation of vapors will cause coughing or breathing difficulty. Causes skin irritation.
Skin contact	:	May cause dermatitis. Causes redness and pain.
Eye contact	:	Causes severe eye irritation. Causes redness and pain.
Ingestion	:	May cause irritation of the digestive tract and respiratory tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Chronic toxicity	:	May cause headache. No data available.

12. ECOLOGICAL INFORMATION

Bioaccumulation	:	No data available.
Ecotoxicity effects	:	No data available.
Mobility	:	Insoluble.

13. DISPOSAL CONSIDERATIONS

Waste from residues	:	Dispose of in accordance with local regulations.
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14. TRANSPORT INFORMATION

ADR/RID	:	Not classified as dangerous for conveyance in the meaning of the Carriage of Dangerous Goods by Road and Rail.
IMDG	:	Not classified as dangerous in the meaning of transport regulations.
ICAO/IATA	:	Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

Labelling	:	The product is not classified as dangerous in accordance with Directive 1999/45/EC, 1967/548/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.
Symbol(s)	:	No data available.
R-phrase(s)	:	Na ₂ O: R14, R34. CaO: R14, R22, R35. ZnO: R50/53. B ₂ O ₃ : R36/37/38. Al ₂ O ₃ : S24/25.
S-phrase(s)	:	Na ₂ O: S8, S26, S30, S36/37/39, S45. MgO: S24/25. CaO: S8, S26, S36/37/39, S45. ZnO: S60, S61. B ₂ O ₃ : S26, S37/39.

16. OTHER INFORMATION

Text of R phrases mentioned in Section2	:	R14 - Reacts violently with water. R22 - Harmful if swallowed. R36/37/38 - Irritating to eyes, respiratory system and skin. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
Text of S phrases mentioned in Section15	:	S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Sources of key data used to compile the data sheet : European Chemicals Bureau

The contents and format of this MSDS are in accordance with EEC Commission Directive 1999/45/EC, 1967/548/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

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