

MATERIAL SAFETY DATA SHEET

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Revision:1

Feb.18,2010

SmartKlean® Laundry Ball

TS2011021106

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

SmartKlean® Laundry Ball

Manufacturer's Name:

SmartKlean® Corp.

Address:

201 S. Biscayne Blvd., 28th Floor, Miami, FL 33131

Emergency Telephone Number:

(305) 913-1605

Product Use:

Laundry wash

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients(specific)	Value (%)	CAS No.	LD50 of Ingredient	LC50 OF Ingredient (specify species)
Ceramic	14	----	----	----
Anion powder Electric powder	14	----	----	----
Sodium Metasilicate	12	6834-92-0	----	----
Sodium Carbonate	12	497-19-8	Oral, mouse:LD50=6600mg/kg; rat: LD50 = 4090 mg/kg.	Inhalation, mouse:LC50=1200mg/m3/2H; rat:LC50=2300mg/m3/2H.
Calcium Carbonate	12	471-34-1	Oral, rat: LD50=6450mg/kg.	----
Neodymium magnet	9	----	----	----
Cellulose	6	9004-32-4	Oral, rat: LD50 =27000 mg/kg.	Inhalation, rat: LC50 ≥5800 mg/m3/4H.
Nanostructured silver	4	----	----	----
Epoxy resin	5	61788-97-4	----	----
Polyamide resin (cured)	4	63428-84-2	----	----
Sodium Citrate	4	68-04-2	rat: LD=1549mg/kg.	----
Iron oxide Yellow	2	51274-00-1	----	----
Iron oxide Red	2	1332-37-2	----	----

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3. HAZARDS IDENTIFICATION

Route of Entry

 Skin contact Skin Absorption Eye Contact Inhalation Ingestion

Emergency Overview

This product is an eye irritant. No hazard expected in normal industrial use.

WHMIS Symbols

Not controlled under WHMIS

Potential Health Effects

EYES

This product is known to cause eye irritation.

SKIN

Not available

INHALATION

Negligible hazard at room temperature.

INGESTION

Harmful if swallowed.

Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Classified NONE

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS : Not available

4. FIRST AID MEASURES

Skin contact

N/A (No known harm to skin contact.)

Eye contact

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Inhalation

N/A (No known harm during inhalation within proper use.)

Ingestion

Wash mouth out with water. Get medical aid Immediately.

5. FIRE-FIGHTING MEASURES

Flammable

 yes No

If yes, under which conditions?

Means of Extinction

Use sandy soil, dry chemical, carbon dioxide or foam for Surrounding fire

Flashpoint(°C)and Method

Not available.

Upper Flammable Limit(%by volume)

Not available.

Lower Flammable Limit(%by volume)

Not available.

Autoignition Temperature(°C)

Not available.

Explosion Data-Sensitivity to Impact

Not available.

Explosion Data-Sensitivity to Static Discharge Risks of explosion of the product in presence of static discharge:
Not available.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide.

[NFPA]

As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

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6. ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local conditions.

7. HANDLING AND STORAGE

Handling Procedures and Equipment

No special recommendations.

Storage Requirements

Store in a dry, well-ventilated area, away from fire and foodstuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

ACGIH TLV OSHA PEL Other(specify)

Specific Engineering Controls(such as ventilation, enclosed process)

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protective Equipment

Gloves Respirator Eye Footwear Clothing Other

If checked, please specify type

Eyes: Safety Glasses.

Body: Coveralls.

Respiratory: Ventilation is normally required when handling this product at high temperatures. Wear appropriate respirator when ventilation is inadequate.

Hands: Thermally insulated gloves required when handling hot material.

Feet: Safety slip proof shoes in areas where spills or leaks can occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid	Odour and Appearance Weak and Roundness	Odour Threshold(ppm) No data available.
Specific Gravity(water=1) No data available.	Vapour density(air=1) Not available.	Vapour pressure(mmHg) Not available.
Evaporation rate Not available.	Boiling point(°C) Not available.	Freezing Point(°C) Not available.
pH ≤11(1% in water).	Coefficient of water/Oil Distribution No data available.	Solubility in Water Soluble.

10. STABILITY AND REACTIVITY

Chemical Stability

yes No

If no, under which conditions?

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Incompatibility with other substances

 yes No

If yes, which ones?

Strong oxidizing agents.

Reactivity, and under what conditions?

Reactive with strong oxidizing agents.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Effects of Acute Exposure:

No data available.

Effects of Chronic Exposure:

No data available.

Irritancy of Product

Cause eye irritation.

Skin Sensitization

No hazard expected in normal use.

Respiratory Sensitization

No hazard expected in normal use.

Carcinogenicity-IARC

Not available.

Carcinogenicity-ACGIH

Not available.

Reproductive Toxicity

No data available.

Mutagenicity

No data available.

Name of Synergistic Products/Effects

No data available.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity

No hazard expected in normal use.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

Special Shipping Information

No additional remark.

PIN

No data available.

TDG

Not regulated.

DOT

Not regulated.

IMO

Not regulated.

ICAO

Not regulated.

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15. REGULATORY INFORMATION

WHMIS Classification Not controlled under WHMIS	OSHA This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication standard, 29 CFR 1910.1200.
SERA No information available	TSCA No information available

16. OTHER INFORMATION

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