

Material Safety Data Sheet



Lyn Distributing

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"Helping You Find Systems To Save"
Save the Environment, Save Money

Section 1. Chemical Product and Company Identification

Product Name: **Z-12 Citrus Powdered Floor Cleaner Orange**
Product Use: Floor Cleaner Parts Cleaner
Product Number:
MSDS Date: 11-27-2013

Emergency Telephone Numbers

For MSDS Information: 1-801-295-5022

For Medical Emergency: (801) 201-1135 All Calls Recorded
For Transportation Emergency: (801) 201-1135 - All Calls Recorded

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Section 2. Hazards Identification

Emergency overview

DANGER

CAUSES EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT IRRITATION. HARMFUL IF SWALLOWED.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment and clothing.

Acute Effects Routes of Entry Eye contact. Absorbed through skin. Inhalation. Ingestion

Eyes: May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin: May cause skin irritation. Harmful if absorbed through the skin. Toxic in contact with skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation: Avoid breathing dust. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.

Ingestion: May be harmful if swallowed. May cause burns to mouth, throat, and stomach.

Chronic effects: Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction or dermatitis. Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage.

Carcinogenicity: Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

*Hazard Determination System (HDS): Health, Flammability, Reactivity

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Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients:

SODIUM METASILICATE; silicic acid (H₂-Si-O₃) disodium salt; water glass

SODIUM CARBONATE; soda ash; carbonic acid, disodium salt

D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-

CAS number

6834-92-0

497-19-8

5989-27-5

% by Weight

< 70

< 35

< 5

Section 4. First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Skin Contact: Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur.

Inhalation: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe.

Ingestion: Never give anything by mouth to an unconscious person. Drink one or two glasses of water and induce vomiting by gently touching the back of the throat with finger. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point: Not applicable

Flammable Limits: Not applicable

Flammability: Not applicable

Fire hazard: No specific fire or explosion hazard.

Fire-Fighting Procedures: Use an extinguishing agent suitable for the surrounding fire..

Section 6. Accidental Release Measures

Spill Clean up: Put on appropriate personal protective equipment (see section 8). Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements..

Section 7. Handling and Storage

Handling: Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Use with adequate ventilation. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling. Observe label precautions.

Storage: Contains moisture-sensitive material. Store in a dry place. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children..

Section 8. Exposure Controls/Personal Protection

Product name:

SODIUM METASILICATE; silicic acid (H₂-Si-O₃) disodium salt; water glass.

SODIUM CARBONATE; soda ash; carbonic acid, disodium salt

Exposure limits:

ACGIH TLV (United States).

TWA: 10 mg/m³ 8 hour(s). Form: Dust

OSHA PEL (United States).

: 15 mg/m³ Form: Dust

ACGIH (United States).

: 15 mg/m³ Form: Dust

OSHA PEL (United States).

TWA: 15 mg/m³ 8 hour(s). Form: Total dust

Personal Protective Equipment:

Eyes: Recommended: Eye goggles.

Body: Recommended: Nitrile rubber gloves. Chemical-resistant apron. Chemical resistant boots.

Respiratory: Use with adequate ventilation. If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

Section 9. Physical and Chemical Properties

Physical State: Powder

pH: 12. - 12.8 [Conc. (% w/w): 1%]

Boiling Point: Not applicable.

Specific Gravity: Not applicable

Solubility: soluble in hot and cold water

VOC content: 1.5 %

Color: Orange

Odor: Mild Citrus Odor

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Evaporation Rate: Not applicable

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable.

Incompatibility: Slightly reactive or incompatible with the following materials: metals and acids.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Sodium Carbonate	LD50 Oral	Rat	2800 mg/kg	-
Sodium Metasilicate	LD50 Oral	Rat	2200 mg/kg	-
D-LIMONENE	LD50 Oral	Mouse	5600 mg/kg	

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity

Product/ingredient name	Result	Species	Dose	Exposure
Sodium Carbonate -	Acute LC50 300 mg/L	Fish - Bluegill.	96 hours	
	Acute LC50 265 mg/L	Daphnia	96 hours	

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: - (None.) Classification: - (Non-hazardous waste)

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not applicable.	Not a DOT controlled material,			

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. PG* : Packing group

Section 15. Regulatory Information

U.S. Federal Regulations:

SARA 313 toxic chemical notification and release reporting:

Product name No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations: California Prop 65 No products were found.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.*