

MATERIAL SAFETY DATA SHEET

Daraclean LC5

1. IDENTIFICATION

Company: MAGNAFLUX
Address: 3624 West Lake Avenue, Glenview, Illinois 60026
Telephone No.: (847) 657-5300 (Off-Hour Emergency Number - CHEMTREC - 1-800-424-9300).
Product Use: Alkaline Powder Detergent
Packages: 1 lb, 10 lb, and 45 lb
NFPA Rating: Health 2, Flammability 0, Reactivity 0
PIN: None
Revision Date: March 21, 2006

2. INGREDIENTS

	<u>CAS Number</u>	<u>% by Weight</u>	<u>OSHA PEL*</u>	<u>ACGIH TLV**</u>
Hazardous Ingredients				
Sodium Carbonate	497-19-8	60-70	<u>Oral LD50 (rat) >2,000 mg/kg</u>	<u>Inhalation LC50 2h, rat, 2.3 mg/l</u>
Tetrapotassium pyrophosphate	7320-34-5	10-20	<u>15mg/m3 (total dust) 8hr TWA</u> <u>5 mg/m3 (respirable) 8 hr TWA</u>	<u>10 mg/m3 (inhalable) 8hr TWA</u> <u>3 mg/m3 (respirable) 8hr TWA</u>
Silicic acid, disodium salt; Disodium trioxosilicate; Anhydrous Sodium metasilicate; ASM	6834-92-0	1-5	<u>Not available</u>	<u>Not available</u>

This product contains no hazardous chemical substances at 1.0% or more listed in 29 CFR 1910 Subpart Z, or ACGIH Threshold limit Values. Also this product contains no carcinogens at 0.1% or more listed in NTP Annual Report on Carcinogens, IARC Monographs, or 29 CFR 1910 Subpart Z.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Dusty powder, Irritating to mucous membranes and eyes.

Signs & Symptoms of Acute Exposure

Inhalation: Irritating to mucous membranes and eyes

Eyes: Severe eye irritation, watering, redness and swelling of the eyelids. Risk of serious or permanent eye lesions.

Skin: May cause skin irritation, seen as redness and swelling. May cause dry and chapped skin.

Ingestion: May cause severe irritation and risk of burns to the mouth, throat, esophagus and stomach. Ingestion of large quantities can cause nausea and vomiting, abdominal craps and diarrhea (bloody).

4. FIRST AID

Skin Contact: Wash off with soap and water. Use soothing lotion.

Eyes: Rinse the eyes with running water for 15 minutes, maintaining the eyelids wide open to eliminate the product. Protect the eyes from strong light. Consult a physician or ophthalmologist in all cases.

Inhalation: Remove subject to a dust free environment and blow nose. If breathing is difficult or has stopped, administer artificial respiration. If any irritation is present seek medical attention.

Ingestion: If conscious, dilute by giving 2 glasses of water. Call physician or local poison control center immediately. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE: In all severe cases, contact physician immediately. Local telephone operators can furnish number of regional poison control center.

5. FIRE HAZARD

Conditions of flammability: N/A
Flash point: Non-combustible
Flammable limits in air: N/A
Extinguishing media: All means of extinguishing are acceptable.
Special fire fighting procedures: None
Hazardous combustion products: None
Unusual fire hazards: None

6. **ACCIDENTAL RELEASE MEASURES**

Precautions: Avoid excessive dust.
For Small Spills: Collect waste in sealed containers.
For Large Spills: Shovel or vacuum into drum or salvage tank. Wash area with soapy water and rinse. Area will be slippery until cleaned.

Dispose of all product wastes and water rinses in accordance with current local, state, and Federal regulations.

7. **HANDLING AND STORAGE**

Avoid prolonged or repeated contact with the skin or eyes. Do not wear contact lenses without proper eye protection when using this product. Use vacuum or wet mop to clean up dust. Keep in a closed, properly labeled container in a dry area away from acids.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: In case of significant or accidental dust emissions, a NIOSH/MSHA-approved dust respirator should be worn.
Ventilation: In places with the possibility for creating excessive dust in excess of exposure limits, ventilation should be

provided.

Protective gloves: Cotton gloves
Eye protection: In cases of significant dust, dustproof goggles are recommended
Work/Hygienic practices: Chemical protective clothing in dusty areas, An eyewash and safety shower should be nearby and ready for use, use good hygiene practices when handling this product including changing work clothes after use, do not eat, drink, or smoke in areas where this material is handled.

9. **PHYSICAL PROPERTIES**

<i>Initial boiling point (bulk):</i>	N/A	<i>Vapor pressure:</i>	N/A
<i>Percent volatile:</i>	0	<i>Vapor density:</i>	N/A
<i>Density/sp. gravity:</i>	approximately 2.533 @ 25°C(77°F)	<i>Evaporation rate:</i>	N/A
<i>Water solubility:</i>	100%	<i>Appearance:</i>	White granular powder
<i>pH of concentrate:</i>	12.5 (10% solution)		

10. **STABILITY AND REACTIVITY**

Stability: Stable
Incompatibility: Protect from moisture
Hazardous decomposition products: Carbon Dioxide is evolved at very high temperatures (1000°C) or when mixed with acids.
Reactivity: None

11. **TOXICOLOGICAL INFORMATION**

Carcinogenicity: Contains no known or suspected carcinogens listed with OSHA, IARC, NTP, or ACGIH.
Threshold limit value: Not established.
WHMIS information (Canada): According to available information, the ingredients have not been found to show reproductive toxicity, teratogenicity, mutagenicity, skin sensitization, or synergistic toxic effects with other materials.

12. **ECOLOGICAL INFORMATION**

No data is available. It dissolves into water and is biodegradable.

13. **DISPOSAL**

Dispose according to Federal, State and Local laws and 40 CFR.
RCRA: Not a hazardous waste
U.S. EPA Waste Number: None

14. **TRANSPORTATION**

U.S. DOT: 49 CFR 172.101 Hazardous Materials Table: NOT REGULATED

15. **REGULATORY INFORMATION**

TSCA: All ingredients are listed in TSCA inventory.
CERCLA: Not reportable.
SARA TITLE III, Section 313: Not reportable
California Proposition 65: Contains nothing on this list.
WHMIS Class (Canada): Not regulated
Note: This MSDS has been prepared to meet WHMIS (Canada) requirements with the exception of using 16 headings.

16. **OTHER INFORMATION**

Revision Statement: Original
Supersedes:
Prepared by: Tamie Simmons, R&D Manager