

RAINSOFT ORIGINALS
AUTOMATIC DISH POWDER
Quick Identifier

Material Safety Data Sheet

EMERGENCY PHONE NUMBER: (816) 847-2466 or (816) 220-1177

SECTION I - IDENTITY

COMMON NAME: RainSoft Originals Automatic Dishwashing Powder
CHEMICAL FAMILY: Powdered Automatic Dish Soap
SYNONYMS: A anhydrous blend for cleaning agents, water spot prevention agents, shine protection agents, processing aids, and suds control agents.

SECTION II - HAZARDOUS INGREDIENTS

PRINCIPLE HAZARDOUS COMPONENTS	%	THRESHOLD LIMIT VALUE
Sodium Metasilicate (CAS# 6834-92-0) (as Sodium Hydroxide)	5 -7.5 %	Ceiling OSHA: 2 mg/m ³ ACGIH: 2 mg/m ³

SARA requires submission of annual report of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: Not Applicable	BULK DENSITY: 0.55 g/mL.
VAPOR PRESSURE (mm Hg): Not Applicable	VAPOR DENSITY (AIR=1): Not Applicable
EVAPORATION RATE (Water = 1): Not Applicable	SOLUBILITY IN WATER: Complete
REACTIVITY IN WATER: Not applicable	pH Value @ 21° C.: 11.2 (1% Solution)

APPEARANCE AND ODOR: A free flowing granular powder, with characteristic odor.

SECTION IV - FIRE FIGHTING MEASURES

FLASH POINT (TCC): Not Applicable LEL: Not Applicable UEL: Not Applicable

EXTINGUISHING MEDIA: Media appropriate for surrounding fire. Compatible with all extinguishing media.

FIRE FIGHTING PROCEDURES: Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate nonessential personnel. Firefighters should wear full face, self-contained breathing apparatus and impervious protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust can be an explosion hazard. Prevent buildup of dust on walls, floors and equipment.

SECTION V - PHYSICAL HAZARDS

STABILITY: UNSTABLE CONDITIONS TO AVOID: None known
 STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): Amphoteric metals, inorganic acids, metals/metal blends. Direct contact of the powder with some metals can generate explosive hydrogen gas. Avoid direct contact of the powder with amphoteric metals, which include aluminum, copper, zinc and brass.

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HAZARDOUS DECOMPOSITION PRODUCTS: Does not normally decompose. Carbon dioxide, carbon monoxide, and chlorine gas can be generated when thermally decomposed.

HAZARDOUS MAY OCCUR
POLYMERIZATION X WILL NOT OCCUR

CONDITONS TO AVOID: None known

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: EYE: X, INHALATION: X, SKIN: X, INGESTION: X

SIGNES OR SYPTOMS OF EXPOSURE:

1. ACUTE AND CHRONIC OVEREXPOSURE EFFECTS:
Eyes: May cause moderate, transient irritation
Inhalation: Heavy or prolonged exposure to dust may cause transient respiratory irritation.
Ingestion: Ingestion may cause vomiting and transient moderate gastrointestinal irritation
Skin: Transient irritation with prolonged exposure to concentrated material
2. SYPTOMS OF OVEREXPOSURE:
Ingestion: May result in burns, chest pain, nausea, vomiting and/or diarrhea.
Eye Contact: May cause burns, stinging, tearing, itching, swelling and/or redness
Inhalation: May cause coughing, sore throat, wheezing, or transitory shortness of breathe.
Skin: Contact with concentrated material may be drying or transiently irritating to skin.

MEDICAL CONDITIONS GENERALLY AGRIVATED BY EXPOSURE: May aggravate existing skin conditions.

LIST AS CARCINOGEN	NATIONAL	<input type="checkbox"/> Yes	I.A.R.C.	<input type="checkbox"/> Yes	OSHA	<input type="checkbox"/> Yes
OR POTENTIAL	TOXICICOLGY	X No	MONOGRAPHS	X No		X NO
CARCINOGEN?						

EMERGENCY AND FIRST AID PROCEDURES:

1. EYES: Immediately remove contact lenses if present. Irrigate with flowing water immediately and continuously for fifteen (15) minutes. Immediately seek medical personnel.
2. SKIN: In case of contact, immediately flush skin with plenty of water for at least fifteen (15) minutes; then flush with vinegar. Remove contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes.
3. INGESTION: DO NOT INDUCE VOMITTING. Drink plenty of water followed by citrus fruit juice. Never give anything by mouth to an unconscious individual. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Contact a physician immediately.
4. INHALATION: Remove to fresh air if effects occur. Consult a physician.

SECTION VII- SPECIAL PROTECTION INFORMATION

VENTILLATION:

LOCAL EXHAUST: Not required under normal use.

MECHANICAL (General): Recommended.

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Not required under normal use. Protective gloves (rubber or neoprene) should be use for prolonged or direct contact is probable..

EYE PROTECTION: Not required under normal use. If a splash of eye contact is likely, chemical goggles may be needed.

SECTION VIII - SPECIAL PRECAUTION AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: No unusual precautions necessary. Avoid contact with moisture to avoid dispensing problems.

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OTHER PRECAUTIONS: Keep out of the reach of children.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush small (household) quantities may be diluted 1:50 with water and flushed to down acceptable sewer. In manufacturing setting collect material, and reclaim if possible. Neutralize in a water solution to below 10.5.

For large spills, sweep, scoop or vacuum discharged material. Collect the material in suitable containers for reclamation. After the product has been removed clean with water. Make certain to collect the cleaning solution and neutralize to applicable specifications. Clean up any remaining solids and dispose of in accordance with federal, state or local requirements

In case of contact with water, prevent runoff from entering into storm sewers and ditches, which lead to natural waterways. If containment is impossible, neutralize contaminated area and flush with large quantities of water. Clean up any remaining solids and dispose of in accordance with federal, state or local requirements. Comply with applicable environmental regulations. If unneutralized aqueous solutions containing this material become waste, they may be RCRA hazardous waste if they exhibit the corrosive characteristic of a pH greater than or equal to 12.5 as defined in EPA rules at 40 CFR subsection 261.22 (a)(1). If such solutions are RCRA hazardous waste, their EPA Hazardous Waste Number is D002.

RELEASE NOTES: There is no CERCLA Reportable Quantity designation for this material. If a spill goes off the site, notification of state and local authorities is recommended.

SECTION IX - DATE AND SIGNATURE

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as the suitability and completeness of such information for his own particular use.

Manufactured by:
LIQUID SOAP PRODUCTS, LTD
3330 S Outer Road E.
Grain Valley, MO. 64029

Date Issued: 6 June 2003
Supersedes: None-New

The submission of this MSDS may be required by law, but this is no assertion that the substance is hazardous when used in accordance with proper safety practices and normal procedures. Data supplied is for use only in connection with occupation safety and health.