

Material Safety Data Sheet

PRODUCT CODE NUMBERS:

ARD01527

SECTION 1

ISSUE DATE: July 30, 2002

IDENTITY: **LAUNDRY DETERGENT, PUREX, POWDER**

MARKETED OR DISTRIBUTED BY:

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Emergency Telephone Information:

Contact Your Regional Poison Control Center

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific chemical identity, common name(s))	CAS #	OSHA PEL	ACGIH TLV	Other limits Recommend	% (Optional)
LINEAR ALCOHOL ETHOXYLATE	68551-12-2				
NONOYNOL-10	9016-45-9				
SODIUM BORATE DECAHYDRATE (BORAX)	1303-96-4				
SODIUM CARBONATE	497-19-8				
SODIUM CHLORIDE	7647-14-5				
SODIUM DODECYLBENZENESULFONATE	25155-30-0				
SODIUM PERBORATE MONOHYDRATE	7632-04-4				
SODIUM SILICATE	1344-09-8				
SODIUM SULFATE	7757-82-6				

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point:	SP Gravity (water=1):
Vapor pressure (mm Hg):	Melting Point:
Vapor density (air=1):	Evaporation Rate (butyl acetate=1):
Solubility in water: COMPLETE	
Appearance and odor: COLORED OR WHITE GRANULAR MATERIAL WITH MILD ODOR.	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used):
Explosive limits: LFL: UEL:
Extinguishing media: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR REGULAR FOAM.
Special Fire Fighting Procedures: MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. DO NOT SCATTER SPILLED MATERIAL WITH HIGH-PRESSURE WATER STREAMS. DIKE FIRE-CONTROL WATER FOR LATER DISPOSAL. USE AGENTS SUITABLE FOR TYPE OF SURROUNDING FIRE. AVOID BREATHING HAZARDOUS VAPORS, KEEP UPWIND.
Unusual Fire and Explosive Hazards: SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. DUST-AIR MIXTURES MAY IGNITE OR EXPLODE. THIS PRODUCT CONTAINS AT LEAST 1 COMPONENT WHICH IS AN OXIDIZER. OXIDIZERS DECOMPOSE, ESPECIALLY WHEN HEATED, TO YIELD OXYGEN OR OTHER GASES, WHICH WILL INCREASE THE BURNING RATE OF COMBUSTIBLE MATTER. CONTACT WITH EASILY OXIDIZABLE, ORGANIC, OR OTHER COMBUSTIBLE MATERIALS MAY RESULT IN IGNITION, VIOLENT

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COMBUSTION OR EXPLOSION.

SECTION 5 - REACTIVITY DATA

Stability: STABLE

Conditions to avoid:

Incompatibility (materials to avoid): STRONG OXIDIZERS, STRONG REDUCING AGENTS, STRONG ACIDS, METALS.

Hazardous decomposition or byproducts: THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF SULFUR AND CARBON, AND HYDROGEN SULFIDE.

Hazardous polymerization: HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

SECTION 6 - HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation:

Skin:

Ingestion:

Health Hazards (acute): INHALATION: DUST MAY CAUSE MUCOUS MEMBRANE IRRITATION WITH COUGHING AND SHORTNESS OF BREATH. DIRECT CONTACT WITH MUCOUS MEMBRANES MAY RESULT IN BURNS. SKIN CONTACT: REPEATED OR PROLONGED EXCESSIVE EXPOSURE MAY CAUSE SEVERE IRRITATION WITH REDNESS, BLISTERING, SKIN DAMAGE OR DERMATITIS. EYE CONTACT: DIRECT CONTACT WITH DUSTS MAY CAUSE SEVERE IRRITATION WITH REDNESS, PAIN, BLURRED VISION, AND POSSIBLY CORNEAL INJURY. INGESTION: MAY CAUSE BURNS OF THE MOUTH, THROAT AND STOMACH. MAY ALSO CAUSE GASTROINTESTINAL DISTURBANCES SUCH AS NAUSEA VOMITING, ABDOMINAL PAIN AND DIARRHEA

Carcinogenicity?

NTP?

IARC?

OSHA Regulated?

Signs and symptoms of exposure:

Medical conditions generally aggravated by exposure: PRE-EXISTING SKIN CONDITIONS.

Emergency and First Aid procedures:

Skin contact: RINSE AFFECTED AREA WITH PLENTY OF WATER UNTIL NO EVIDENCE OF PRODUCT REMAINS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

Eye contact: IMMEDIATELY RINSE EYES WITH PLENTY OF WATER OCCASIONALLY LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF PRODUCT REMAINS. GET MEDICAL ATTENTION IF PAIN OR IRRITATION PERSIST.

Inhalation: REMOVE FROM EXPOSURE AREA TO FRESH AIR IMMEDIATELY. KEEP AFFECTED PERSON WARM AND AT REST. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. CONTACT PHYSICIAN OR LOCAL POISON CONTROL CENTER. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: TREAT SYMPTOMATICALLY AND SUPPORTIVELY. MAINTAIN AIRWAY AND RESPIRATION. IF VOMITING OCCURS. KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. DILUTION BY RINSING THE MOUTH AND GIVING WATER OR MILK TO DRINK IS GENERALLY RECOMMENDED. IF UNCONSCIOUS, THE VICTIM SHOULD NOT BE GIVEN ANYTHING TO DRINK. CONTACT PHYSICIAN OR LOCAL POISON CONTROL CENTER.

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SECTION 7 - SPILL, LEAK, AND WASTE DISPOSAL PROCEDURES

Steps to be taken in case material is released or spilled: OCCUPATIONAL SPILL: SWEEP OR VACUUM UP AND PLACE IN SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. DO NOT FLUSH LARGE AMOUNTS OF SPILLED MATERIAL INTO SEWER.

Waste Disposal Method: Follow all local, state and federal regulations. Is not a hazardous waste

Precautions to be taken in handling and storing: STORE AWAY FROM INCOMPATIBLE SUBSTANCES, EXCESSIVE HEAT AND MOISTURE. OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE

Other precautions:

SECTION 8 - OCCUPATIONAL CONTROL MEASURES

Respiratory Protection (specify type): AIR CONTAMINATION MONITORING SHOULD BE CARRIED OUT WHERE DUSTS ARE LIKELY TO BE GENERATED, TO ASSURE THAT THE EMPLOYEES ARE NOT EXPOSED TO AIRBORNE CONTAMINANTS ABOVE THE PERMISSIBLE EXPOSURE LIMITS. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approve by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

VENTILATION: PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION TO KEEP EXPOSURE TO AIRBORNE CONTAMINANTS BELOW THE PERMISSIBLE EXPOSURE LIMITS WHERE DUSTS MAY BE GENERATED.

Protective gloves: CHEMICAL-RESISTANT GLOVES ARE REQUIRED WHERE REPEATED OR PROLONGED SKIN CONTACT MAY OCCUR.

Eye Protection: SAFETY GLASSES ARE REQUIRED TO PREVENT EYE CONTACT WHERE DUSTY CONDITIONS ARE ANTICIPATED.

Other protective clothing or equipment: PROTECTIVE CLOTHING IS REQUIRED WHERE REPEATED OR PROLONGED SKIN CONTACT MAY OCCUR.

Work/hygienic practices:

SECTION 9 - SPECIAL PRECAUTIONS

None

SECTION 10 - ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable.

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