

MATERIAL SAFETY DATA SHEET

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MSDS NO: 6941  
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1. PRODUCT NAME & HAZARD SUMMARY

**6941 Laundry Powder Detergent** SHIRT AND LAUNDRY ENZYME DETERGENT

PRIMARY USE: LAUNDRY DETERGENT

NFPA HAZARD	RATING	SARA TITLE III, SECTION 313	CANADA (WHMIS)
HEALTH	1 SLIGHT	APPLICABLE ( )	D2: CAUSING OTHER TOXIC EFFECTS
FIRE	1 SLIGHT	NOT APPLICABLE (X)	
REACTIVITY	0 MINIMAL		

2. HAZARDOUS COMPONENTS

	%	OSHA (PPM)	ACGIH (PPM)	LD 50 (MG/KG)
SODIUM TRIPOLYPHOSPHATE	<20		PEL	TWA STEL
C.A.S. #7758-29-4				
SODIUM CARBONATE	<50			
C.A.S. #497-19-8				

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: WHITE, GRANULAR	EVAPORATION RATE (ETHER = 1): N.AP.
ODOR: Citrus	VAPOR DENSITY (AIR = 1): N.AP.
BOILING PT: N.AP.	VAPOR PRESSURE (MM): N.AP.
FREEZING PT: N.AP.	SOLUBILITY IN WATER: COMPLETE
pH: 10.7 (1% IN WATER)	SPECIFIC GRAVITY (WATER = 1): N.AP.
% VOLATILE: N.AP.	CO-EFFICIENT OF WATER/OIL DIST: N.AV.
ODOR THRESHOLD (PPM): N.AV.	

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: NONE  
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.AP.  
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO<sub>2</sub>, water or alcohol foam.  
 SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus.  
 UNUSUAL FIRE & EXPLOSION: None  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon  
 CONDITIONS OF FLAMMABILITY: N.AP.  
 AUTO IGNITION TEMP (°C): N.AP.  
 EXPLOSION DATA, SENSITIVITY TO MECHANICAL IMPACT: N.AP.  
 SENSITIVITY TO STATIC DISCHARGE: N.AP.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): Stable  
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers  
 HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may release Oxides of Carbon  
 HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:                      INHALATION   X                        SKIN   X                        INGESTION       

WARNING! MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. MAY BE HARMFUL IF SWALLOWED.

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: May cause irritation.  
 SKIN: Prolonged contact may cause defatting of skin which can lead to irritation and dermatitis.  
 INGESTION: of a large dose may cause abdominal pain, nausea and vomiting.  
 INHALATION: Low hazard.  
 IRRITANCY OF PRODUCT: N.AV.  
 SENSITIZATION TO PRODUCT: N.AV.  
 CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.AV.

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**6. HEALTH HAZARD DATA (cont'd)**

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TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.

**EMERGENCY & FIRST AID PROCEDURES:**

EYES: Remove contact lenses, if worn. Flush with water for at least 15 minutes. Call a physician.

SKIN: Remove contaminated clothing; wash affected area with soap and water. Get medical help if any symptoms occur.

INHALATION: Remove to fresh air.

INGESTION: If conscious give large amounts of water, and then induce vomiting. Get medical attention.

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**7. SPILL & LEAK PROCEDURES**

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LARGE SPILLS: Sweep up.

SMALL SPILLS: Sweep up or flush with water.

WASTE DISPOSAL METHOD: May be considered a hazardous waste, dispose of according to all applicable regulations.

Incineration in permitted facilities or disposal in permitted land fills are preferred disposal methods.

HANDLING PROCEDURES &amp; EQUIPMENT: Avoid direct contact.

STORAGE REQUIREMENTS: Keep away from heat strong oxidizers.

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**8. SPECIAL PROTECTION, PREVENTATIVE MEASURES/IN CASE OF LARGE SPILL OR FIRE**

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ENGINEERING CONTROLS/VENTILATION: Normal room ventilation.

RESPIRATOR: THE FOLLOWING RESPIRATORS ARE RECOMMENDED &amp; RANKED IN ORDER FROM MIN.TO MAX. PROTECTION:

CHEMICAL CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE WITH A FULL FACE PIECE.

GAS MASK WITH ORGANIC VAPOR CANISTER WITH A FULL FACE PIECE.

TYPE "C" SUPPLIED-AIR RESPIRATOR WITH FULL FACE PIECE.

SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND.

PERSONAL PROTECTIVE EQUIPMENT: Wear goggles when handling product.

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**9. TRANSPORTATION DATA**

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DOT HAZARD CLASSIFICATION 49 CFR 172.101: None, not regulated

DOT LABEL: None

U.N./I.A.T.A.: Not regulated

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**10. STATE RIGHT TO KNOW INFORMATION**

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SODIUM CARBONATE-C.A.S. #497-19-8, SODIUM SULFATE C.A.S. #7757-82-6, SODIUM TRIPOLYPHOSPHATE-C.A.S. #7758-29-4,  
SODIUM METASILICATE C.A.S. #6834-92-0, Nonionic Surfactant C.A.S. #61827-42-7**ABBREVIATIONS:**

OSHA: Occupational Safety &amp; Health Administration

TWA: Time Weighted Average for 8 Hours

Mg/M<sup>3</sup>= Milligrams per Cubic Meter of Air

NFPA = National Fire Protection Agency

(C): Ceiling, Limit for Exposure

DOT = Department of Transportation

MG/KG = Milligrams per Kilogram (1,000 grams)

WHMIS = Workplace Hazardous Materials Information System - Canada

ACGIH = American Conference of Government Industrial Hygienists

R.Q. = Amount of spill that must be reported to EPA

SARA Title III, SEC 313 = Superfund Amendments and Reauthorization Act

C.A.S. = Chemical Abstract Service Number

LD 50 = Lethal Dose for 50% Test Animals

PEL = Permissible Exposure Level

STEL = Short Term Exposure Level (15 min)

ppm = part(s) per million

SKN = Skin Effects

IATA = International Air Transport Association

N.AV. = Not Available

N.AP. = Not Applicable

U.N. = United Nations

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