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MSDS NO.: 6941  
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 1. PRODUCT NAME & HAZARD SUMMARY
 

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## 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 |                             |                                 |

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 2. HAZARDOUS COMPONENTS
 

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

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

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 3. PHYSICAL & CHEMICAL DATA
 

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|-----------------------------|---------------------------------------|
| 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. |                                       |

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 4. FIRE & EXPLOSION HAZARDS
 

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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.

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 5. REACTIVITY HAZARD DATA
 

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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

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 6. HEALTH HAZARD DATA
 

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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, 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 fill are preferred disposal methods.

HANDLING PROCEDURES & 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 & 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 CFR172.101: 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 & 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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