1. PRODUCT NAME & HAZARD SUMMARY

5911 TITANIUM PRIMARY USE: LAUNDRY DETERGENT

NFPA HAZARD RATING SARA TITLE III, SECTION 313 CANADA (WHMIS)

HEALTH 1 SLIGHT APPLICABLE ( )

FIRE 1 SLIGHT NOT APPLICABLE (X)

REACTIVITY 0 MINIMAL

2. HAZARDOUS COMPONENTS % OSHA (PPM) ACGIH (PPM) LD 50 (MG/KG)

PEL TWA STEL

SODIUM CARBONATE
C.A.S. #497-19-8 €15

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

APPEARANCE: WHITE, GRANULAR EVAPORATION RATE (ETHER = 1): N.AP.
ODOR: MILD 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. COEFFICIENT 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, CO₂, 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.
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.
6. HEALTH HAZARD DATA (cont’d)

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.

7. SPILL & LEAK PROCEDURES

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 landfills is preferred disposal methods.
HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact.
STORAGE REQUIREMENTS: Keep away from heat strong oxidizers.

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

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.

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR172.101: None, not regulated
DOT LABEL: None
U.N./I.A.T.A.: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

SODIUM CARBONATE-C.A.S. #497-19-8, SILICONE DIOXIDE-C.A.S. #7631-86-9, NON-IONIC SURFACTANT-
C.A.S. #NONE, SODIUM PERBORATE-C.A.S. #10486-00-7, SODIUM CHLORIDE-C.A.S. #7647-14-5

ABBREVIATIONS:

OSHA: Occupational Safety & Health Administration  C.A.S. = Chemical Abstract Service Number
TWA: Time Weighted Average for 8 Hours  LD 50 = Lethal Dose for 50% Test Animals
Mg/M^3 = Milligrams per Cubic Meter of Air  PEL = Permissible Exposure Level
NFPA = National Fire Protection Agency  STEL = Short Term Exposure Level (15 min)
(C): Ceiling, Limit for Exposure  ppm = part(s) per million
DOT = Department of Transportation  SKN = Skin Effects
MG/KG = Milligrams per Kilogram (1,000 grams)  IATA = International Air Transport
Assocation
WHMIS = Workplace Hazardous Materials Information System - Canada  N.A.V. = Not Available
ACGIH = American Conference of Government Industrial Hygienists  N.A.P. = Not Applicable
R.Q. = Amount of spill that must be reported to EPA  U.N. = United Nations
SARA Title III, SEC 313 = Superfund Amendments and Reauthorization Act

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