

MSDS - Material Safety Data Sheet**Product Name: 5-STAR**

MSDS No.: 267

I. Basic Information:

Manufacturer: U.N.X. INCORPORATED

Address: 707 ARLINGTON BLVD.

City, ST Zip: GREENVILLE, NC 27858

Emergency Contact: CHEMTEL

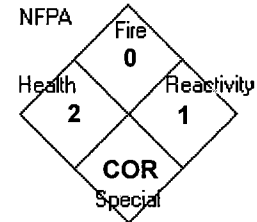
Emergency Telephone Number: 800-255-3924

Contact: AMENDT; WILSON

Information Telephone Number: 252-756-8616

Last Update: 11/23/2004

Expiration Date:

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

2	Health
0	Flammability
1	Reactivity
C	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
TradeSecret	PSRN57948000-5006P	25-35									
TradeSecret	PSRN57948000-5044P	0-5									
51580860	Sodium dichloroisocyanurate, dihydrate	0-5									
1310732	Sodium hydroxide	30-40						2mg/m3	2mg/m3		
7758294	Sodium tripolyphosphate	25-35						15mg/m3	10mg/m3		

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

IV. First Aid Measures:

Route(s) of Entry:

SKIN, EYES, INHALATION

Health Hazards (Acute and Chronic):

INHALATION, CAN IRRITATE NOSE, THROAT, AND LUNGS.

SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION.

INGESTION, EXTREMELY HIGH TOXICITY. WILL CAUSE BURNS TO MOUTH AND THROAT.

Signs and Symptoms:

PRODUCT, EITHER DRY OR IN SOLUTION, IS DESTRUCTIVE TO TISSUE. SEVERE BURNS CAN BE PRODUCED.
CONTACT WITH EYES CAN PRODUCE PERMANENT DAMAGE.

Medical Conditions Generally Aggravated by Exposure:

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Emergency and First Aid Procedures:

FOR SKIN, FLUSH THOROUGHLY WITH WATER UNTIL "SLIPPERY" FEELING IS GONE.
FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.
IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILD ACIDS SUCH AS 5% ACETIC ACID, ORANGE JUICE, OR ANY CITRUS JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: N/A

Lower Explosive Limit: -

Upper Explosive Limit: -

F.P. Method: -

Fire Extinguishing Media: NON-FLAMMABLE/NON-COMBUSTIBLE

Special Fire Fighting Procedures:

USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

Unusual Fire and Explosion:

AVOID CONTACT WITH ACIDS AND LAUNDRY COMPOUNDS. STRONG DECOMPOSITION CAN RESULT.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

FOR A SMALL SPILL: IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN.
FOR A LARGE SPILL: COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. BE CAREFUL OF CHLORINE ODOR RELEASED DURING NEUTRALIZATION. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES.
CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

VII. Handling and Storage:

Precautions to be Taken:

EMPTY DRUMS MUST BE TREATED AS HAZARDOUS BECAUSE OF RESIDUES. STORE IN A DRY PLACE. DO NOT STORE WITH STRONG ACIDS. KEEP CONTAINER CLOSED.

Other Precautions:

AVOID MOISTURE

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

AVOID BREATHING DUST. IF EXPOSURE LIKELY, USE FILTER OR DUST TYPE RESPIRATOR.
MECHANICAL VENTILATION IS ACCEPTABLE.

Personal Protective Equipment:

RUBBER GLOVES SHOULD BE WORN.
SAFETY GOGGLES SHOULD BE WORN.
OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, HAVE AN ACID HAND WASH NEAR BY (ie. VINEGAR SOLUTION.).
WORK HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

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IX. Physical and Chemical Properties:

Boiling Point: N/A

Melting Point: NO DATA

Evaporation Rate (Butyl Acetate = 1): N/A

Vapor Pressure (mm Hg.): N/A

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): N/A

Solubility in Water: EXCELLENT AT USE CONCENTRATIONS Appearance and Odor: WHITE GRANULAR POWDER , CHLORINE ODOR

Other Information: THIS PRODUCT CONTAINS PHOSPHATES
MECHANICAL DISHWASH DETERGENT

X. Stability and Reactivity:

Stability:

STABLE UNDER IDEAL CONDITIONS ONLY

Incompatibility (Materials to Avoid):

EXCESS MOISTURE CAN CAUSE EXOTHERMIC REACTIONS.
AVOID CONTACT WITH ACIDS, AMMONIA, AND LAUNDRY COMPOUNDS.

Decomposition/By Products:

AVOID CONTACT WITH ALUMINUM, ZINC, MAGNESIUM, COPPER. EXPLOSIVE HYDROGEN GAS AND CHLORINE GAS CAN BE RELEASED.

Hazardous Polymerization:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

XI. Toxicological Information:

CONTACT U.N.X. INCORPORATED

XII. Ecological Information:

CONTACT U.N.X. INCORPORATED

XIII. Disposal Considerations:

FOR A SMALL SPILL: IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN.
FOR A LARGE SPILL: COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. BE CAREFUL OF CHLORINE ODOR RELEASED DURING NEUTRALIZATION. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES.
CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

XIV. Transport Information:

UN 3262

DOT HAZARD CLASS: 8

LABEL: CORROSIVE

PG: II

PROPER SHIPPING NAME: CORROSIVE SOLID, N.O.S., INORGANIC, BASIC, (SODIUM HYDROXIDE)

XV. Regulatory Information:

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS.
THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.
THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

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XVI. Other Information: