

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



Osceola Supply, Inc.
915 Commerce Boulevard
Midway, FL 32343
Phone (850) 580-9800
Fax (850) 580-8001

Product Information Telephone 850-580-9800 Transportation Emergency Telephone 800-535-5053
(8:00 am to 5:00 pm EST) INFOTRAC (24 Hours Everyday)

PRODUCT INFORMATION

Product Name Powder Enzyme Detergent
Chemical Name Proprietary Mixture
Chemical Family Mixture

2. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	WT. %	CAS NO.	OSHA PEL	ACGIH TLV
Phosphates	-	-	5 mg/m ³	3 mg/m ³
Metasilicates	-	-	5 mg/m ³	3 mg/m ³
Enzymes	-	-	-	-
Proprietary Ingredients	-	-	-	-

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: White powder with slight citrus odor. May cause skin, eye and respiratory tract irritation. Long-sleeved shirt and appropriate chemical resistant gloves should be worn. Safety goggles are appropriate for this material. Wash hands after handling.

POTENTIAL HEALTH EFFECTS

Eyes	May cause pain, redness, tearing, and severe irritation including corneal opacities.
Skin	May cause redness, irritation, and dermatitis.
Ingestion	May cause gastrointestinal tract irritation to the mucous membranes of the mouth, throat, esophagus, and stomach.
Inhalation	May cause coughing, sneezing, runny nose, and burning throat. Some reported symptoms include moderate irritation of nose and throat.
Chronic Effects/ Carcinogenicity	May cause kidney lesions at high doses with chronic ingestion. This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research of Cancer, to the Occupational Safety and Health Administration.
Primary Routes of Entry	Inhalation, skin and eye contact.

4. FIRST AID MEASURES

Eyes	Immediately flush eyes thoroughly and continue to repeatedly flush eyes with constantly running water for 15 minutes, lifting the upper and lower eyelids occasionally. If able to do so, remove contact lenses. Get medical attention.
Skin	Immediately flush skin thoroughly with water for 15 minutes. If irritation persists get medical attention.
Ingestion	If ingested, get immediate medical attention. Do not give anything by mouth to an unconscious person. Do not induce vomiting. If conscious, rinse mouth with water, then give large quantities of water or milk if available, then give dilute vinegar.
Inhalation	Remove to fresh air. Give artificial respiration if not breathing. Administer oxygen if breathing is difficult. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: N/A

Autoignition Temperature: Not determined

Flammable Limits (% by Vol.)

Lower (LEL):	Not determined
Upper (UEL):	Not determined

Extinguishing Media

CO₂, foam, chemical powders, water fog according to the materials involved in the fire.

Special Instructions

This product is very slippery when wet and may react with certain metals to slowly generate flammable hydrogen gas. Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE

Action to Take for Spills or Leaks: Wear appropriate protective equipment. Avoid contact with product. Sweep up and shovel into a suitable container for disposal.

Comply with all applicable governmental regulations on spill reporting, and handling and disposal of waste.

Disposal Methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state, and/or local regulatory agencies to ascertain proper disposal procedures.

7. HANDLING AND STORAGE

Do not eat, drink or smoke while working. Remove contaminated clothing immediately and launder before reuse. Wash hands after use. Store the product in a tightly closed container, stored in a cool, dry ventilated area away from ignition sources and incompatible materials. Avoid contact with zinc, aluminum, and copper as flammable hydrogen gas may be generated. Protect against physical damage. Follow all label requirements until container is cleaned, reconditioned, or destroyed. Provide a safety shower and eyewash close to any location where this material is being stored or used.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory	Select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Consult respirator manufacturer to determine appropriate type equipment for a given application and observe use limitations.
Skin	Long-sleeved shirt and appropriate chemical resistant gloves should be worn.
Eye	Safety goggles are appropriate for this material.
Ventilation	Local mechanical exhaust ventilation to minimize exposure at the point of use.
Other	An eyewash and safety shower should be nearby and ready for use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance/Color: White

Odor: Slight citrus odor

Specific Gravity (H₂O = 1): No data

Solubility in water: Soluble in water.

pH (2% solution): 12.0

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid Avoid contact with acidic materials. Heat will be generated on contact with acid.

Incompatible Materials Acids. Flammable hydrogen gas may be produced on prolonged contact with aluminum, tin, lead, and zinc.

Decomposition (or Byproducts) None identified.

11. TOXICOLOGICAL INFORMATION

Oral Sodium Tripolyphosphate: rat LD₅₀ - 5400 mg/kg; practically non-toxic. Sodium Metasilicate: rat LD₅₀ - 1280 mg/kg.

Inhalation No Data Available

Dermal Sodium Tripolyphosphate: rabbit - 0.0/8.0 (24-hr exp.); not irritating.
Sodium Tripolyphosphate: rabbit LD₅₀ - > 7940 mg/kg; practically non-toxic.

Carcinogenicity This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research of Cancer, or the Occupational Safety and Health Administration. California Proposition 65 Warning (applicable in California only) – this product contains a chemical known to the state of California to cause cancer.

Other Data None

12. ECOLOGICAL INFORMATION

Sodium tripolyphosphate - Invertebrate: 48-hr EC₅₀ Daphnia magna: > 1000 mg/L; practically nontoxic.

13. DISPOSAL CONSIDERATIONS

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different than federal laws and regulations. Consult state and local requirements regarding the proper disposal of this material. Any container or equipment used should be decontaminated immediately after use.

14. TRANSPORTATION INFORMATION

Proper Shipping Name	Corrosive solid, basic, inorganic, N.O.S., (Disodium Trioxosilicate)
DOT Hazard Class	8
DOT Shipping I.D. Number	UN3262
Packaging Group	PGIII
DOT Label	Corrosive

15. REGULATORY INFORMATION

THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY OF CHEMICAL SUBSTANCES.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980, SECTION 103)

The following components of this product are listed as hazardous substances in 40 CFR 302.4 (unlisted hazardous substances are not identified) and are present at levels which could require reporting:

Component	CAS#	RQ
None		

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTIONS 302 AND 304

The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355 and are present at levels which could require reporting and emergency planning:

None

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313

The following components of this product are listed as toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Section 313 and 40 CFR part 372:

None

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTIONS 311 AND 312

Immediate Health Hazard: Yes
Delayed Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

16. OTHER INFORMATION

	HEALTH	FIRE	REACT.	PROTECTION
HMIS	2	0	0	E

NOTE: 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT

THE ABOVE INFORMATION IS BASED ON DATA AVAILABLE TO US AND CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL. AS THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE ARE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. ALL LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION OR THE MATERIAL TO WHICH IT REFERS IS SPECIFICALLY DISCLAIMED. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSONS RECEIVING IT SHALL MAKE THEIR OWN DETERMINATIONS OF THE EFFECTS PROPERTIES AND PROTECTIONS, WHICH PERTAIN TO THEIR PARTICULAR CONDITIONS. THIS IS NEITHER A LICENSE UNDER ANY APPLICABLE PATENTS NOR AN ASSURANCE OF FREEDOM FROM CLAIMS UNDER ANY PENDING OR ISSUED PATENT. ALL WARRANTIES AGAINST PATENT INFRINGEMENTS ARE SPECIFICALLY DISCLAIMED.

MSDS PREPARED BY:
Osceola Supply, Inc.
915 Commerce Boulevard
Midway, FL 32343
850-580-9800