



Chemical Specialties Manufacturing Corporation

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MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

Health 1
Flammability 0
Reactivity 0

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME: Powder Prespray with Enzymes
DOC CODE : Powder Prespray with Enzymes
CHEMICAL FAMILY: Mixture.
EMERGENCY 24-HOUR TELEPHONE # 1-800-424-9300 (CHEMTREC)
N/A = Not applicable or Not available.

DATE REVIEWED: May 24, 2002

N/D = Not determined.

SECTION II: COMPOSITION/ INFORMATION ON INGREDIENTS

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS. When individually tested at 100% ingredients in the make-up of this product posed the following health hazards.

SECTION II a: HAZARDOUS INGREDIENTS >1.0%

Chemical Name	CAS #	PEL	TLV
Sodium Metasilicate	6834-92-0	NA	NA
Nonylphenol Ethoxylate	127087-87-0	NA	NA

SECTION II b: CARCINOGENIC INGREDIENTS AT >0.1%

Chemical Name	CAS #	PEL	TLV
Trisodium Nitrilotriacetate	18662-53-8	NA	NA

* = Listed as a possible carcinogen by IARC and NTP. Detergents containing Sodium Nitrilotriacetate are exempt from labeling under California Proposition 65 because exposure in detergent applications are significantly less than the "NO SIGNIFICANT RISK LEVEL" established by Cal-EPA for this compound. The Universities Associated for Research and Education in Pathology, Inc. determined that the cancer risk to man was so low 'one in ten million or less' as to be of no practical significance. Thus UAREP concluded that 'use of NTA in detergent products does not pose a practical risk to human health.'

SECTION III: HAZARDS IDENTIFICATION

EYES: May cause severe eye and possible burns irritation.
SKIN: May cause severe skin irritation.
INHALATION: None expected if used according to directions.
INGESTION: May cause abdominal discomfort, nausea and diarrhea.

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SECTION IV: FIRST AID PROCEDURES

EYES: Flush with water for at least 15 minutes. If irritation persists consult physician.
INGESTION: Drink 1 to 2 glasses of water. Consult physician.
INHALED: Remove to fresh air. If symptoms persist or are severe seek prompt medical assistance.
SKIN: Remove contaminated clothing. Thoroughly wash exposed area with soap and water.
PHYSICIAN: Treatment based on judgment of attending physician.

SECTION V: FIRE AND EXPLOSION DATA

FLASH POINT: N/A
AUTO-IGNITION TEMPERATURE: N/D
EXPLOSIVE LIMITS - UEL: N/D LEL: N/D
EXTINGUISHING MEDIA: Alcohol foam, water fog, CO₂ or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.
UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Soak up spilled material with absorbant clay and dispose according to local, state and federal regulations.

SECTION VII: HANDLING AND STORAGE

No special precautions required.

SECTION VIII: PROTECTION MEASURES

VENTILATION: Local exhaust or dilution ventilation is necessary in poorly ventilated areas.
GLOVES: Rubber gloves.
RESPIRATORY: Not usually required.
EYE: Safety glasses. Wear splash goggles when mists or aerosols are anticipated.
OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

SECTION IX: PHYSICAL/CHEMICAL DATA

APPEARANCE AND ODOR: White powder with downey odor. WATER SOLUBILITY, % BY WT: 30
LOOSE BULK DENSITY: 0.60 - 0.65 g/cc % VOLATILE BY WT.: 10
pH @ USE: 11.5-12.5

SECTION X: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Strong Acids
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxides of carbon and other unidentified organic compounds.

SECTION XI: TOXICOLOGICAL INFORMATION OF INGREDIENTS

Sodium Metasilicate: Oral rat LD50 is 800 mg/kg, Dermal rabbit LD50 is 250 mg/kg.
Nonylphenol Ethoxylate: Oral rat LD50 is 3.78 g/kg, Dermal rabbit LD50 is >2 g/kg.
Trisodium Nitrilotriacetate: No data available.

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SECTION XII: ECOLOGICAL INFORMATION

Ready to use solution is biodegradable. No other information is available.

SECTION XIII: SPILL, LEAK AND DISPOSAL PROCEDURES

WASTE DISPOSAL: In accordance with Federal, state and local regulations.
NEUTRALIZING CHEMICALS: Water.

SECTION XIV: TRANSPORT INFORMATION PER 49 CFR 172.101

GROUND TRANSPORTATION:

4/6 LB CASE – ORM-D.
365 LB DRUM-

AIR TRANSPORTATION:

Corrosive solids (Contains Disodium Trioxosilicate), n.o.s., Class 8, UN 1759, PG III.
Quantity Limitations: 25 kg. Aircraft: Passenger.
Quantity Limitations: 100 kg. Aircraft: Cargo.

MARITIME TRANSPORTATION:

Corrosive solids (Contains Disodium Trioxosilicate), n.o.s., Class 8, UN 1759, PG III.
IMDG PAGE #: 8151.

SECTION XV: REGULATORY INFORMATION

Domestic:

TSCA: All ingredients are listed on the TSCA chemical substance inventory.
SARA Section 313 Ingredients: None.
California Prop 65 Ingredients: Contains Trisodium Nitrotriacetate, below the no significant risk level.

International:

European:
Risk phrase:
Causes burns.
Safety phrase:
Wear suitable gloves.
Wear eye/face protection.
Canadian:
WHMIS Hazard Class: E

SECTION XVI: OTHER INFORMATION

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.