

MATERIAL SAFETY DATA SHEET**CHEMSPEC ® • 901 N. NEWKIRK STREET • BALTIMORE, MD 21205 • (410) 675-4800**

HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, SPECIAL = NONE, DEGREE OF HAZARD: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT

PRODUCT NAME: **IN-PLANT FOR WOOL**

DOCUMENT CODE: Inplant For Wool

CHEMICAL FAMILY: Mixture

DATE: 04/27/94

DATE REVIEWED: 08/18/99

EMERGENCY 24-HOUR TELEPHONE # 1-800-424-9300 (CHEMTREC)

N/A = Not applicable

N/D = Not determined

SECTION I: HAZARDOUS INGREDIENTS/HEALTH HAZARD DATA

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.

SECTION I (a): List of carcinogenic ingredients at >0.1%.

None.

SECTION I (b): List of hazardous ingredients at >1.0%.

NAME	CAS NO.
ALCOHOL ETHOXYLATES	68439-50-9
May cause eye and skin irritation. Ingestion may cause abdominal discomfort, nausea and diarrhea. Oral rat LD50 is 2-5 g/kg; dermal rabbit LD50 is 1-3 g/kg. OSHA PEL and ACGIH TLV not available.	
SODIUM CARBOXYMETHYL CELLULOSE	9004-32-4
May cause eye, skin and respiratory irritation. ACGIH TLV same as nuisance dust. OSHA PEL not available.	

SECTION II: EMERGENCY AND FIRST AID PROCEDURES

EYES:	Flush with water for at least 15 minutes. Consult physician.
SKIN:	Remove contaminated clothing. Thoroughly wash exposed skin with soap and water.
INHALED:	Remove to fresh air. If symptoms persist consult physician.
INGESTION:	Drink 2 large glasses of water. Seek medical attention.
PHYSICIAN:	Treatment based on judgment of attending physician.

SECTION III: PHYSICAL / CHEMICAL DATA

APPEARANCE AND ODOR: Coarse white powder with low odor.

WATER SOLUBILITY, % BY WT: 40 - 45

BULK DENSITY: 0.58 - .62 g/cc

%VOLATILE BY WT: 1.0 - 3.0

pH: 8.0 - 9.0

pH at USE: 7.5 -8.5

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: N/D AUTO-IGNITION TEMPERATURE: N/D

EXPLOSIVE LIMITS - LEL: N/D UEL: N/D

EXTINGUISHING MEDIA: Water spray, CO₂, dry chemical or alcohol foam.

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 V: REACTIVITY DATA

STABILITY: Stable. HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong bases, acids, oxidizing agents and hydroxyl reactive compounds.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly aldehydes, ketones, phosphorous oxides, CO, CO₂, H₂O and unidentified organic compounds.**SECTION VI: SPILLS, LEAKS AND DISPOSAL PROCEDURES**

WASTE DISPOSAL: In accordance with Federal, State and Local regulations.

NEUTRALIZING CHEMICALS: Water.

SECTION VII: PROTECTION MEASURES

VENTILATION: Use in well-ventilated area.

EYE PROTECTION: Chemical resistant safety glasses.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved dust mask when airborne dust is anticipated.

GLOVES: Rubber gloves. OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

SECTION VIII: SPECIAL PRECAUTIONS

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 any 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.