

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DESCRIPTION: Polyacrylate; Super Absorbent Polymer (SAP)

Product item: HS-45

Supplier: Ergodyne. Tenacious Holdings, Inc.

Add: 1021 Bandana Boulevard East Suite 220 Saint Paul, MN 55108

Tel: 651 642 9889 // 800 225 8238

SECTION 2: HAZARDS IDENTIFICATION

CHEMICAL NAME: Crosslinked salt polyacrylate

CAS NUMBER:09003-04-7

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

EMERGENCY OVERVIEW: White, free flowing dry powder or crystal with little or no odor. Spills are very slippery. Avoid contact with skin, eyes and clothing. Contact with eyes may produce irritation and/or redness.

Inhaled dust may cause some respiratory Irritation.

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: Eye contact may produce slight irritation and/or redness.

SKIN CONTACT: No data available.

INHALATION: Inhaled dust may cause some respiratory irritation.

INGESTION: No data available.

CHRONIC HAZARDS: No data available.

PRIMARY ROUTE OF ENTRY: Eye, Inhalation.

SECTION 4: FIRST AID MEASURES

INHALATION: Move patient to fresh air.

SKIN: Remove contaminated clothing and launder before reuse. Wash affected area with soap and water for at least 15 minutes.

EYE CONTACT: Flush at least 15 minutes with eyelids open. Call a physician.

INGESTION: Rinse mouth. Call a poison center/doctor/physician if you feel unwell. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

FLASHPOINT: N/A; **FLAMMABILITY:** N/A.

EXPLOSION HAZARD: Dust in sufficient concentration can result in an explosive-mixture in air.

EXPLOSIVE LIMITS: LOWER: N/A; UPPER: N/A.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or foam to extinguish.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED: Care must be taken when using water, as spilled product is extremely slippery when wet.

SPECIAL EXPOSURE HAZARDS IN A FIRE: In fire situation, may liberate oxides of nitrogen or carbon and hydrogen chloride. Keep containers cool by spraying with water if exposed to fire.

SPECIAL PROTECTIVE EQUIPMENT FOR A FIRE: Self-contained breathing apparatus should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Avoid runoff into storm sewers and ditches which lead to waterways.

METHODS FOR CLEANUP: Product becomes slippery and difficult to handle when wet; spills are best handled while dry. Sweep up and collect dry product. Absorb wet product with vermiculite or other inert material then water wash area to waste treatment.

OTHER INSTRUCTIONS: Dispose of solidified material in accordance with federal, state, local or other applicable laws and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing

STORAGE: Avoid extremes of temperature; wet damp or humid conditions.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation is recommended. Eyewash and safety shower stations are recommended.

EXPOSURE GUIDELINES: No MAC values have been established.

PERSONAL PROTECTIVE EQUIPMENT: See below

RESPIRATORY PROTECTION: Use NIOSH approved dust respirator (ANSI Z 882.1980) or equivalent, as required to control exposure.

HAND PROTECTION: Wear impervious gloves.

EYE PROTECTION: Wear chemical splash goggles or face mask.

SKIN PROTECTION: If clothing is contaminated, wash skin and launder clothing.

NOTE: Before eating, drinking or smoking, wash face and hands thoroughly with soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, COLOR AND ODOR: White free flowing dry powder with little or no odor.

PH value: 6.5-7.0

MELTING POINT/RANGE: >4000F

BLJK DENSITY: 0.72-0.75.

WATER SOLUBILITY: Insoluble.

PARTICLE SIZE: On 800 μm \leq 2%; 180-800 μm \geq 95%; Thru 180 μm \leq 3%

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable,

CONDITIONS TO AVOID: None.

MATERIALS TO AVOID: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH. The OSHA 8-hour TWA for total dust is 15mg/M³(5mg/M³ for the respirable fraction).The ACGIH TLV-TWA is 10mg/M³. Product as produced is generally regarded as safe for recovered and reused products used in human and animal food formulation components.

IRRITANCY AND CORROSIVENESS: May be slightly irritating to skin and eyes on prolonged exposure. No evidence of corrosiveness.

SENSITIZATION: None known.

SECTION 12: ECOLOGICAL INFORMATION

DEGRADABILITY: This product can be fully biodegradable, long slow hydrolysis in water, photolysis of exposure to the sun occurs. So this product has no hazardous effect on soil, water and environment.

SECTION 13: DISPOSAL CONSIDERATIONS

OPERATION PROCESSING:When this product is exposed to air it will easily absorb moisture, So a moisture proof waterproof bag is recommended.

WASTE DISPOSAL: The waste products should not be flushed into the sewer.

SECTION 14: TRANSPORT INFORMATION

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

DANGEROUS GOODS NUMBER: none

UN NUMBER: none

CAUTIONS DURING TRANSPORTATION: Ensure that packaging is not damaged, do not leak during transport, pay attention to moisture rain.

SECTION 15: REGULATORY INFORMATION

This product is not included in any directories or lists of regulated hazardous or highly toxic chemicals.

SECTION 16: OTHER INFORMATION

RECOMMENDED USAGE: Absorbent material intended for use in medical care, hygiene and beauty products, Also as a water retention material for use in hot dry conditions.

DATE OF LAST MODIFICATION: December 8th, 2013, This SDS was prepared according to the standards of the "Safety data sheet for chemical products-Content and order of sections" (GB/T16483-2008).

SOURCES OF DATA: Provided by the manufacturer.