

# 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 $\mu\text{m}$ ≤2%;180-800 $\mu\text{m}$ ≥95%; Thru180 $\mu\text{m}$ ≤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(Smg/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 8<sup>th</sup>, 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.