



NaturalTac™

Organic Tackifier

Material Safety Data Sheet

NaturalTac™

Organic Polysaccharides Tackifier

Date Prepared: June 2012

1. PRODUCTS AND COMPANY DESCRIPTION

Sunmark Environmental Services, Inc.

PO Box 1210

Fairview OR 97024

503-241-7333 phone

503-491-0279 fax.

Emergency Phone Numbers:

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT

CONTACT: Local Authorities

For Product Information:

Rantec Corporation

Highway 14, PO Box 729

Ranchester, WY 82839

307-655-9565

Chemical Name or Synonym:

Polysaccharides

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS REG	OSHA Hazard	PERCENTAGE
Polysaccharides and their derivatives	3913.90.20	Y	100%

3. HAZARDS IDENTIFICATION

a. EMERGENCY OVERVIEM:

Physical Appearance and Odor: Light yellow, brown, off white.

Warning Statements: MAY CAUSE ALLERGIC RESPIRATORY REACTION

CAUTION: Eye Irritant

B. POTENTIAL HEALTH EFFECTS:

Acute Eye:

May cause injury which may persist for several days

Acute Skin:

Essentially non-irritating. Skin absorption not likely. May cause slight transient irritation.

Acute Ingestion: Non-toxic

Chronic Effects:

This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens. Polysaccharides contains natural proteins that can cause allergic reactions such as asthma and rhinitis.

4. FIRST AID MEASURES

First Aid Measures for Accidental:

EYE EXPOSURE:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention, if irritation develops or persists or if visual changes occur.

SKIN EXPOSURE:

In case of contact, wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

INHALATION:

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

INGESTION:

Ingestion of dry powder may result in the material swelling in the throat, possibly causing blockage of the throat and choking. If the victim is conscious and alert, give 1-2 glasses of water to drink to prevent esophageal obstruction. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Inhalation of product may aggravate existing chronic respiratory problems, such as asthma, emphysema or bronchitis.

NOTES TO PHYSICIANS:

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that over exposure to materials other than this product may have occurred.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

FLASH POINT:

>93C (200F) Flammability Class: WILL BURN

METHOD USED: Closed Cup

FLAMMABILITY LIMITS (vol/vol%):

LOWER: No Data

UPPER: No Data

EXTINGUISHING MEDIA:

Recommended for (small fires): carbon dioxide and dry chemical. Recommended for (large fire): water and aqueous foam.

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE and EXPLOSION PROCEDURES:

Product will burn under fire conditions. Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

HAZARDOUS DECOMPOSITION MATERIALS (UNDER FIRE CONDITIONS):

Oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

EVACUATION PROCEDURES AND SAFETY:

CAUTION: Spilled material may become slippery when wet. Do not leave traces of product on floors or ladders as this may present a slipping hazard. Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

CONTAINMENT OF SPILL:

Follow procedure described below under Cleanup and Disposal of Spill

CLEANUP AND DISPOSAL OF SPILL:

Dry Material: Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Wet Material: Absorb with an inert absorbent. Shovel up into an appropriate closed container (see Section 7: Handling and Storage).

ENVIRONMENTAL AND REGULATORY REPORTING:

Spills may be reported to the National Response Center (800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

MINIMUM/MAXIMUM STORAGE TEMPERATURES:

Not Available

HANDLING:

Avoid breathing dusts

THIS PRODUCT MAY PRESENT A DUST EXPLOSION HAZARD. It is recommended that all dust control equipment and material transport systems involved in the handling of this product contain explosion relief vents of the system that contact this material should be electrically bonded and grounded. This powder should not be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment.

STORAGE:

Store in closed containers. Store in an area that is dry, sanitary, and is isolated from all toxic and harmful substances. Protect from weather and moisture.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

INTRODUCTORY REMARKS:

These recommendations provide general guidance for handling this product. Because specific

work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these products should be handled in accordance with Section 12; Disposal considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

EXPOSURE GUIDELINES:

Exposure limits represent regulated or recommended worker breathing zone concentrations measured by validated sampling and analytical methods, meeting the regulatory requirements. The following limits apply to this material, where if indicated, S=Skin and C=Ceiling Limit:

PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION

	Notes	TWA	STEL
OSHA		5mg/cu m	

PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST

	Notes	TWA	STEL
OSHA		15mg/cu m	

ENGINEERING CONTROLS:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: wet processing methods to reduce dust generation.

RESPIRATORY PROTECTION:

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSHA, WHMIS or ANSI standard(s): Air purifying (half-mask/full mask) respirator with cartridges/canister approved for the use against dust, mists, and fumes.

EYE/FACE PROTECTION:

Eye and face protection requirements will vary, dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

It is generally regarded as good practice to wear a minimum of safety glasses with side shield when working in industrial environments.

SKIN PROTECTION:

Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i. e., shirts, and pants). Consideration must be given both to durability as well as permeation resistance.

WORK PRACTICE CONTROLS:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in area where this material is stored.

(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.

(3) Wash exposed skin promptly to remove accidental splashes or contact with material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

PHYSICAL APPEARANCE:

Yellow, brown and off white in appearance.

ODOR:

Slight odor.

PH:

Not Applicable

WATER SOLUBILITY:

High in water solubility,

When wet can make a putty like gel substance.
Slippery when wet. Clean up spills immediately.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

This material is stable under normal handling and storage conditions described in Section 7.

CONDITIONS TO BE AVOIDED;

Dusting conditions, extreme heat, open flame and sparks.

MATERIAL/CHEMICALS TO BE AVOIDED:

Strong oxidizing agents

THE FOLLOWING HAZARDOUS DECOMPOSITION PRODUCTS MIGHT BE EXPECTED:

DECOMPOSITION TYPE: THERMAL

Oxides of carbon

HAZARDOUS POLYMERIZATION WILL NOT OCCUR:

AVOID THE FOLLOWING TO INHIBIT HAZARDOUS POLYMERIZATION:

Not applicable

11. TOXICOLOGICAL INFORMATION

ACUTE EYE IRRITATION:

No test data found for product

ACUTE SKIN IRRITATION:

No test data found for product

ACUTE DERMAL TOXICITY:

No test data found for product

ACUTE RESPIRATORY IRRITATION:

No test data found for product

ACUTE INHALATION TOXICITY:

No test data found for product

CHRONIC TOXICITY:

This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be “probable” or “suspected” human carcinogens.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No data found for product

CHEMICAL FATE INFORMATION:

No data found for product

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

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 from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

EPA HAZARDOUS WASTE – NO

14. TRANSPORTATION INFORMATION

TRANSPORTATION STATUS: IMPORTANT: Statements below provide additional data on listed DOT classification.

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US DEPARTMENT OF TRANSPORTATION

SHIPPING NAME

NOT REGULATED

15. REGULATORY INFORMATION

INVENTORY STATUS

INVENTORY	STATUS
UNITED STATE (TSCA)	Y
CANADA (DSL)	Y
EUROPE EINECS/ELINCS	Y
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory

E = All ingredients are on the inventory or exempt from listing

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list.

All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS

INVENTORY ISSUES:

All functional components of this product are listed on the TSCA Inventory

SARA TITLE 111 HAZARD CLASSES:

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	YES
Chronic Health Hazard	NO

OTHER FEDERAL REGULATIONS

FDA STATUS:

STATE REGULATIONS

This product does not contain any components that are regulated under California Proposition 65.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS – NFPA (R):

- 1 Health Hazard Rating – Slight
- 1 Flammability Rating – Slight
- 0 Instability Rating – Minimal

NATIONAL PAINT & COATING HAZARDOUS MATERIAL IDENTIFICATION SYSTEM – HMIS (R):

- 1 Health Hazard Rating – Slight
- 1 Flammability Rating – Slight
- 0 Reactivity Rating – Minimal

KEY LEGEND INFORMATION:

ACGIH – American Conference of Government Industrial Hygienist
OSHS – Occupational Safety and Health Administration
TLV – Threshold Limit Value
PEL – Permissible Exposure Limit
TWA – Time Weighted Average
STEL – Short Term Exposure Limit
NTP – National Toxicology Program
IARC – International Agency for Research on Cancer
ND – Not Determined

DISCLAIMER:

The information herein is given in good faith but no warranty, expressed or implied, is made

*******END OF MSDS DOCUMENT*******