



Formosa Plastics Corp.
Tairyln Division
RM 175,4TH FLR, 201, Tung Hua North Road, Taipei, Taiwan
Tel: 886 (0)2 27178135 Fax: 886 (0)2 27134818

MATERIAL SAFETY DATA SHEET

Date Printed:
04/14/2006
Date Updated:
12/21/2012
Version 2.3

Section 1 - Product and Company Information

Product Name	NB-283 Series, TAISAP
Product Number	
Brand	Formosa Plastics Corp.
Company	FPC Superabsorbent Polymer (NingBo) Co., Ltd.
Street Address	
City, State, Zip, Country	FPG NingBo Industrial Park Beilun NingBo, China
Technical Phone:	886 2 27122211
Emergency Phone:	0574 86902987 Ext. 3323
Fax:	0574 86902987

Section 2 - Hazards Identification

HMIS RATING

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

NFPA RATING

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 3 - Composition/Information on Ingredient

Component : Sodium polyacrylate cross-linked CAS # 9003-04-7

Content $\geq 95.0\%$

Section 4 - First Aid Measures

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazard(s): Slippery condition are created if it comes with water.

Section 6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

For additional information on person protection, please see Section 8.

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact water. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Limit Values related to the workplace(Require monitoring)

MAK 0.05mg/m³

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Government approved respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

Appearance Physical State: Solid Property Value at Temperature or

Pressure	Molecular Weight	N/A
Form		White powder
pH(In 0.9% saline solution)		5.5-6.5
BP/BP Range		N/A
MP/MP Range		>600 degree
Freezing Point		N/A
Vapor Pressure		N/A
Vapor Density		N/A
Saturated Vapor Conc.		N/A
SG/Density		N/A
Bulk Density		560-720 g/L
Odor Threshold		N/A
Volatile%		N/A
VOC Content		N/A
Water Content		<6%
Solvent Content		N/A

Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	<72 dyne/cm
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Residual monomer	<1000ppm
Miscellaneous Data	N/A
Partition coefficient: n-octane/water	N/A
Solubility	Insoluble

N/A = not available

Section 10 - Stability and Reactivity

Reactivity

Stable under normal condition.

STABILITY

Materials to Avoid: water.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Unknow

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: Long-term contact may cause health worry to mucous membranes and upper respiratory organs.

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

This product is non-toxic and non-hazardous. Acute oral LD50>5g/kg

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

MUTAGENICITY

Non mutagenic *in-Vitro* and *in-vivo* test.

Section 12 - Ecological Information

Ecotoxicity: N/A
Persistence and Degradability:
 Degradability in Air: N/A
 Degradability in Water: 1 year
 Degradability in Soil: N/A
Bioaccumulative potential: N/A
Mobility in soil: non-mobility in soil
Other adverse effects: N/A

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

UN Number: -
UN proper shipping name: -
Transport Hazard class: -
Marine pollutant: No

DOT

Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

CAS# 9003-04-7 is listed on the TSCA inventory.
CAS# 9003-04-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

UNITED STATES REGULATORY INFORMATION
SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: Yes

Section 16 - Other Information

WARRANTY The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formosa Plastics Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2008 Formosa Plastics Co. License granted to make unlimited paper copies for internal use only.