



MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: **SUPER ABSORBENT POWDER
(WITHOUT DEODORISER)**

PRODUCT TYPE: LIQUID WASTE SOLIDIFIER/ ECONOMY WASTE SOLIDIFIER/

MEDICAL WASTESOLIDIFIER
PRODUCT CODE : 8229

Composition / Information on Ingredients

CAS #	Component	Percent
9003-04-7	Sodium polyacrylate	>99
Not Available	Post Treated-Trade Secret	0

Component Information/Information on Non-Hazardous Components

The components of this product are not regulated as hazardous under 29CFR and 49 CFR.

Hazards Identification

Emergency Overview:	Liquid Waste Solidifier is a white, off-white granular, odourless polymer that yields a gel-like addition of water. It is insoluble in water and causes extremely slippery conditions when wet.
Potential Health Effects:	Eyes: Dust may cause slight to moderate eye irritation.
Potential Health Effects:	Skin: Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.
Potential Health Effects:	Ingestion: Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.
Potential Health Effects:	Inhalation: Exposure to respirable dust may cause respiratory tract and lung irritation.

HMIS Ratings:
Hazard Scale:

Health: 1 Fire: 0 Reactivity: 0
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 =
Severe * = Chronic hazard

First Aid Measures

First Aid: Eyes: Immediately flush eyes with plenty of water for at
Least 15 minutes.
First Aid: Skin: Remove polyacrylate absorbent dust from skin using
Soap and water.

First Aid: Ingestion: Non-toxic by ingestion. However,
if adverse symptoms appear, seek medical attention.
Inhalation: If inhaled, move to source of fresh air. Seek medical
Attention if symptoms persist.

Fire Fighting Measures

General Fire Hazards: No recognized fire hazards associated with the
Finished product. Upper Flammable Limit (UFL):
NE Lower Flammable Limit (LFL): NE Method
Used: None Flash Point: None Flammability
Classification: None
Hazardous Combustion Products: None known.
Extinguishing Media: Dry chemical, foam, carbon dioxide, water
Fog. Extremely slippery conditions are created if
spilled product comes in contact with water.
Fire Fighting Equipment/Instructions: Fire-fighters should wear full protective
Clothing including self contained breathing
apparatus.
NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe

Accidental Release Measures

Containment Procedure: Sweep or vacuum material when possible
and shovel into a waste container.
Clean-Up Procedures: Use caution after contact of product with
Water as extremely slippery conditions will result.
Residuals may be flushed with water into the drain
for normal wastewater treatment. This is a non-
hazardous waste suitable for disposal in an
approved solid waste landfill.
Evacuation Procedures: None required.
Special Procedures: Avoid respirable dust inhalation during
clean-up. Wear appropriate respirator.

Handling and Storage

Handling Procedures: Handle as an eye and respiratory tract irritant.
Storage Procedures: Store in a dry, closed container.

Exposure Controls / Personal Protection

Exposure Guideline: A: General Product Information. This product is not
Regulated as a hazardous material.
B: Component Exposure Limits. No information is
Available.
Engineering Controls: Provide local exhaust ventilation to maintain
Worker exposure to less than 0.05 mg/m³ over an
eight-hour period.

PERSONAL PROTECTIVE EQUIPMENT

Protective Equipment:: Eyes/Face Wear safety glasses with side shields
or goggles.
Personal Protective Equipment: Skin: Use impervious gloves when handling the
Product in the manufacturing environment.
Personal Protective Equipment: Respiratory: Wear respirator with a high efficiency
filter if particulate concentrations in the work are exceed
0.05 mg/m³ over an eight-hour period.
Personal Protective Equipment: General: Obey reasonable safety precautions and
Practice good housekeeping. Wash thoroughly after handling.

Physical & Chemical Properties

Appearance:	White Granular Powder.	Odour:	None
Physical State:	Solid	pH:	5.5-6.5 (1% in water)
Vapour Pressure:	<10 mm Hg	Vapour Density:	NE
Boiling Point:	NE	Melting Point:	>390 F
Solubility (H ₂ O):	Not soluble.	Specific Gravity:	0.4-0.7 g/ml
Evaporation rate:	<1.0		

Chemical Stability & Reactivity Information

Chemical Stability: The product is stable.
Chemical Stability: Conditions to Avoid. None
Incompatibility: None
Hazardous Decomposition: None known.
Hazardous Polymerization: Will not occur.

Toxicological Information

Acute and Chronic Toxicity:	A: General Product Information Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs. B: Acute Toxicity-LD50/LC50 Sodium polyacrylate (9003-04-7) LD50: Oral LD50 Rat: 40 gm/kg
Carcinogenicity:	Component Carcinogenicity: No information is available.
Chronic Toxicity:	There are no known chronic effects associated with this Material.

Ecological Information

Ecotoxicity:	A: General Product Information Composted polyacrylate absorbents are nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates. B: Component Analysis - Ecotoxicity - Aquatic Toxicity. No information available, Environmental Fate
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Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic absorbents will not affect the performance of wastewater treatment systems.

Disposal Considerations

A:	General Product Information. This product is a non-Hazardous waste material suitable for approved solid waste landfills.
B:	Component Waste Numbers: No EPA Waste applicable for this product's components.
Disposal Instructions:	Dispose of in accordance with Local, State and Federal regulations. Incineration is commended method of disposal.

Transportation Information

International Transportation Regulations: This product is not transport regulated.

Regulatory Information

A:	General Product Information: This product is not Federally regulated as a hazardous material.
B:	Clean Air Act. No information is available.
C:	Component Analysis. No information is available.
D:	Food & Drug Administration CFR references for the FDA regulated components in this product are listed.

Sodium polyacrylate (9003-04-7) Direct Food 173.73,
173.310 Additives: Indirect Food 175.105 Additives:
Component Analysis - WHMIS IDL: No components are listed in the WHMIS IDL.

Component Analysis – Inventory

Component	CAS #	TSCA	CAN	EEC
Sodium polyacrylate	003-04-07	Yes	DSL	NO

To the best of our knowledge the information contained herein is accurate. However, the Manufacturer PRSS Solutions (UK) Ltd assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards which exist.

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