

MATERIAL SAFETY DATA SHEET: SPILL SHARK ACID ABSORBENT

Section I - General Information

(000000-000000- - 4292)

Date of Issue:
10/4/2007 12:00:00 AM

Supersedes:
9/6/2007 12:00:00 AM

Chemical Name & Synonyms:
N/A

Trade Name & Synonyms:
SPILL SHARK ACID ABSORBENT

Chemical Family:
POLYMER-CARBONATE BLEND

Formula is a mixture: [√]

Manufacturer Name:
CHEMSEARCH DIV. OF NCH CORP.

Manufacturer Address:
BOX 152170
IRVING, TX 75015

Prepared By:
M MCDOWELL/CHEMIST

Product Code Number:
4292

Emergency Phone Number:
800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
SODIUM POLYACRYLATE	IRRITANT	N/E 1	5 mg/m3 *2	N/E	9003-04-7
SODIUM CARBONATE	IRRITANT	N/E 1	5 mg/m3 *2	N/E	497-19-8
* PNOR					

Section III - Physical Data

Boiling Point (°F): N/A	Specific Gravity (H₂O=1): 0.928
Vapor Pressure (mm Hg): 0	Color: Blue/White
Vapor Density (Air=1): N/A	Odor: Odorless
pH @ 100% : 11.4@1%	Clarity: Opaque
% Volatile by Volume: 0	Evaporation Rate (BuAc=1): N/A
H₂O Solubility: Appreciable	Viscosity: Powder

Section IV - Fire and Explosion Hazard

Flash Point: Non-Flam
Flammable Limits: Combustible Dust
LEL: N/E

Method Used: N/A
UEL: N/E
Aerosol Level (NFPA 30B): N/A

Extinguishing Media:

☒ Foam	☐ Alcohol Foam	☒ CO2
☒ Dry Chemical	☒ Water Spray	☐ Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 2
3-High	Flammability: 1
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

Special Fire Fighting Procedures:

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting. Avoid hose streams or any method which will create dust clouds.

Unusual Fire and Explosion Hazards:

Unusual Fire and Explosion Hazards:
significant heat sources. As a precaution, implement standard safety measures for handling finely divided organic powders recommended in Section X. The use of water spray (fog), while effective, may cause frothing and foaming. Never use a water jet as this will just spread the fire. Use care as spills may be slippery.

Section V - Health and Hazard Data

Threshold Limit Value:
Not Established.

Effects of Overexposure:

Acute: (Short Term Exposure)
EYE CONTACT: Causes severe irritation seen as stinging, tearing, redness, and a burning sensation.
SKIN CONTACT: May cause irritation seen as itching and redness.
INHALATION: May cause respiratory irritation seen as coughing and sneezing.
INGESTION: May cause irritation with possible nausea, vomiting, and diarrhea.

Chronic: (Long Term Exposure)
Long term inhalation of excessive dust may cause delayed lung injury seen as cyanosis, progressive chemical pneumonitis, and pulmonary edema.
Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis.
TARGET ORGANS: None known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

Primary Routes of Entry		
☐ Inhalation	☐ Ingestion	☐ Absorption

Emergency First Aid Procedures:

Inhalation:
If dust is inhaled, remove from the area to fresh air. Have the person blow their nose to remove the substance from the nasal passages and keep from inhaling further. Seek medical attention if discomfort occurs.

Eye Contact:
Immediately rinse the eyes with water. Remove any contact lenses and continue flushing for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Get immediate medical attention.

Skin Contact:
Wipe away material with a cloth. Wash with soap and water. Seek medical attention if irritation develops. Clean clothing and shoes.

Ingestion:
Give 3 to 4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Seek medical attention if discomfort occurs.

Notes to Physician:
There is no specific antidote. Treat the patient symptomatically.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:				
☐ IARC	☐ NTP	☐ OSHA	☐ ACGIH	☐ Other

VOC Content: 0% by weight; 0% by volume; 0 g/L

SODIUM POLYACRYLATE
EYE-RBT SDT: 2 mg; moderate 4.
ORL-RAT LD₅₀: >40,000 mg/kg 4.
SKN-RBT LD₅₀: >2,000 mg/kg 3.
IHL-RAT Tc_{Lo}: 10 mg/m³/6h/4w-I 4.

No significant effects in dogs or rats fed with resin as 5% of diet for 6 ½ months. No evidence of irritation or sensitization during human patch testing. Various lung effects such as inflammation, hyperplasia, scarring, changes in the air sac ducts of the lung and tumors were noted in animal studies inhaling concentrations of a water absorbent sodium polyacrylate dust greater than 0.05 mg/m³ for the majority of their lives.
3.

SODIUM CARBONATE
ORL-RAT LD₅₀: 4090 mg/kg 4.
IHL-RAT LC₅₀: 2300 mg/m³/2h 4.
Non-sensitizing (humans, 0.25% sodium carbonate) 3.

SKN-RBT SDT: 500 mg/24h; mild 4.
EYE-RBT SDT: 50 mg severe 4.

Section VII - Reactivity Data

Stability ☒ Stable ☐ Unstable Conditions to Avoid: Avoid heat, hot surfaces, sparks, and open flames.	Hazardous Polymerization ☒ Will not occur ☐ May occur Conditions to Avoid: N/A
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Incompatibility (Materials to Avoid):
Strong oxidizing agents such as Chlorine bleach and concentrated Hydrogen Peroxide; Hydrofluoric Acid, Aluminum powder, Fluorine, and molten Lithium.

Hazardous Decomposition Products:
Oxides of Carbon; fumes of Sodium.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled:
Eliminate ignition sources of electrical, static, or frictional sparks. Ventilate the contaminated area and avoid creating dusty conditions. Wear appropriate protective clothing. Transfer solid using non-sparking equipment into a properly labeled container for re-use or disposal. If necessary, wash area with water. Prevent product from contaminating soil or from entering sewage, drainage systems, and bodies of water.

Waste Disposal Method(s):
Dispose of in accordance with all Federal, State, and local regulations.

Neutralizing Agent:
N/A

Section IX - Special Protection Information

Required Ventilation:
Local ventilation is recommended to control exposure from operations that can generate dusty conditions. Local ventilation is preferred, because it prevents dispersion into work areas by controlling it at its source.

Respiratory Protection:
Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). Wear a NIOSH/MSHA approved respirator with a dust cartridge filter if exposure can exceed TLV/PEL. For <10X PEL, use an N95 quarter or half mask respirator; <50X PEL, use a full face respirator equipped with N95 filters; <200X PEL, use a powered air purifying respirator (positive pressure) with N95 filters; >200X PEL, use a full face, type C supplied air respirator (continuous flow mode).

Glove Protection:
Neoprene or nitrile rubber gloves if repeated or prolonged skin contact is likely. Ensure compliance with OSHA's personal protective equipment (PPE) standard for hand protection, 29 CFR 1910.138.

Eye Protection:
Chemical goggles should be worn when handling. Ensure compliance with OSHA's Personal Protective Equipment (PPE) standard for eye and face protection, 29 CFR 1910.133.

Other Protection:
Wear general-duty work clothes and shoes. A safety shower and an eyewash station should be available.

Section X - Storage and Handling Information

Storage Temperature Max: 120°F Min: 35°F	Storage Conditions ☒ Indoors ☐ Outdoors ☐ Heated ☐ Refrigerated
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Precautions to be Taken in Handling and Storing:
Always store material in its original container. Keep container tightly closed when not in use. Avoid creating dusty conditions. Seal broken bags immediately. Although the risk of a dust explosion is low, implement the following safety measures as a precaution: 1) Bond, ground, and properly vent conveyors, dust control devices, and other transfer equipment; 2) Eliminate ignition sources (sparks, static buildup, excessive heat); 3) Prohibit flow of powder or dust through non-conductive ducts, vacuum hoses or pipes, etc.; only use grounded, electrically conductive transfer lines when pneumatically conveying product; 4) Stay below the minimum explosive concentration by preventing accumulation of dust (use well-ventilated conditions, vacuum spills promptly, clean overhead horizontal surfaces); 5) Exercise care when emptying containers, sweeping, mixing, or doing other tasks which can create dust; 6) Use inert gas blanketing when use conditions or processes warrant.

Other Precautions:

Keep out of reach of children. Read the entire label before using the product. Follow the label directions.

Section XI - Regulatory Information

Chemical Name

None.

CAS Number**Upper % Limit**

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. Threshold Limit Values for chemical substances and physical agents and biological exposure indices, ACGIH, 2007.
2. OSHA PEL.
3. Vendor's MSDS.
4. Registry of toxic effects of chemical substances, CCINFOWeb, 2007.
5. European Chemical Substances Information System (ESIS), International Uniform Chemical Information Database (IUCLID) Chemical Data Sheets.

All the components of this product are in compliance with the Toxic Substances Control Act (TSCA) and are either listed on the TSCA inventory or otherwise exempted from listing.

IRR: Irritant, OSHA: Occupational Safety & Health Administration, IARC: International Agency for the Research on Cancer, TOX: Toxic, NFPA: National Fire Protection Association, ppm: Parts Per Million, UEL: Upper Explosion Limit, STEL: Short-term Exposure Limit, SKN: Skin, IHL: Inhalation, COMB: Combustible, CORR: Corrosive, MUT: Mutagenic, CARC: Carcinogenic, N/A: Not Applicable, TLV: Threshold Limit Value, N/E: Not Established, ORL: Oral, FLAM: Flammable, ASPHYX: Asphyxiant, C.O.C.: Cleveland Open Cup, PNOR: Particles Not Otherwise Regulated, LEL: Lower Explosion Limit, mg/L: Milligrams per Liter, PNOS: Particles Not Otherwise Specified, g/L: Grams per Liter, PMCC: Pensky-Martin Closed Cup, NTP: National Toxicology Program, µg/L: Micrograms per Liter, TCC: Tagliabue Closed Cup, SEV: Severe, RBT: Rabbit, INV: Intravenous, ACGIH: American Conference of Governmental Industrial Hygienists, PEL: Permissible Exposure Limit, MOD: Moderate, IPT: Intraperitoneal, gm/kg: Grams per Kilogram, C.C.C.: Cleveland Closed Cup, HMN: Human, mg/m3: Milligrams per Cubic Meter, mg/kg: Milligrams per Kilogram, VOC: Volatile Organic Compound, SDT: Standard Draize Test, MSE: Mouse, GPG: Guinea Pig.

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