

**MATERIAL SAFETY DATA SHEET: SPILL SHARK CAUSTIC ABSORBENT**

DATE OF ISSUE: 11/04/2004

SUPERCEDES: 07/27/1999

**SECTION I - GENERAL INFORMATION**

**Chemical Name & Synonyms:**

N/A

**Trade Name & Synonyms:**

SPILL SHARK CAUSTIC ABSORBENT

**Chemical Family:**

POLYMER/CITRIC ACID BLEND

**Formula Mixture:** X

**Manufacturer's Name:**

CHEMSEARCH DIV. OF NCH CORP.

**Address:**

BOX 152170

IRVING, TX 75015

**Prepared By:**

M McDowell/Chemist

**Product Code Number**

4258

**Emergency Phone Number**

800-424-9300

**SECTION II - HAZARDOUS INGREDIENTS**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

<u>Chemical Name (Ingredients)</u>	<u>Hazard</u>	<u>TLV</u>	<u>PEL</u>	<u>STEL</u>	<u>CAS #</u>
SODIUM POLYACRYLATE	IRRITANT	3 MG/M3 \$1	5 MG/M3 \$2	N/E	9003-04-7
SYNTHETIC AMORPHOUS SILICA, PRECIPITATED	IRRITANT	10 MG/M3 1	43 MG/M3 2	N/E	112926-00-8
CITRIC ACID	IRRITANT	N/E 1	5 MG/M3\$2	N/E	77-92-9
\$ PNO5					
\$\$ PNOR					

**SECTION III - PHYSICAL DATA**

<b>Boiling Point (f):</b>	N/A	<b>Specific Gravity (H2O=1):</b>	0.907
<b>Vapor Pressure (MM HG):</b>	N/A	<b>Color:</b>	ORANGE-YELLOW
<b>Vapor Density (Air=1):</b>	N/A	<b>Odor:</b>	ODORLESS
<b>PH @ 100% :</b>	N/A	<b>Clarity</b>	OPAQUE
<b>% Volatile by Volume:</b>	0	<b>Evaporation Rate (BU A/C=1):</b>	N/A
<b>H2O Solubility:</b>	APPRECIABLE	<b>Viscosity:</b>	POWDER

**SECTION IV - FIRE AND EXPLOSION HAZARD**

<b>Flash Point:</b>	<b>Flammable Limits:</b>	<b>LEL:</b>	<b>UEL:</b>
NON-FLAM / N/A	CITRIC ACID	8 G/FT3	65 G/FT3

**Extinguishing Media:**

Foam:X Alcohol Foam:X CO2:X Dry Chemical:X Water Spray:X Other:

**Special Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE. AVOID HOSE STREAMS OR ANY METHOD WHICH WILL CREATE DUST CLOUDS.

**Unusual Fire and Explosion Hazards:**

AS WITH ALL ORGANIC DUSTS, FINE PARTICLES SUSPENDED IN AIR IN CRITICAL PROPORTIONS AND IN THE PRESENCE OF AN IGNITION SOURCE MAY IGNITE AND/OR EXPLODE. DUST MAY BE SENSITIVE TO IGNITION BY ELECTROSTATIC DISCHARGE, ELECTRICAL ARCS, SPARKS, WELDING TORCHES, CIGARETTES, OPEN FLAME, OR OTHER SIGNIFICANT HEAT SOURCES. AS A PRECAUTION, IMPLEMENT STANDARD SAFETY MEASURES FOR HANDLING FINELY DIVIDED ORGANIC POWDERS RECOMMENDED IN SECTION X. PROLONGED CONTACT OF AQUEOUS MIXTURE WITH REACTIVE METALS, SUCH AS ALUMINUM, BRASS, BRONZE, CHROMIUM, MAGNESIUM, TIN, ZINC, AND ALLOYS, CAN CAUSE THE FORMATION OF FLAMMABLE HYDROGEN GAS WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

**NFPA Hazard Rating: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)**

Health:1

Flammability:1

Instability:0

Special:

---

## **SECTION V - HEALTH HAZARD DATA**

### **Threshold Limit Value:**

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

### **Effects of Overexposure:**

#### **-Acute(Short Term Exposure)**

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS STINGING, TEARING, REDNESS, AND A BURNING SENSATION. MAY RESULT IN CORNEAL DAMAGE AND IN PERMANENT CLOUDINESS. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING AND CHAPPING OF THE SKIN. INHALATION: CAUSES RESPIRATORY IRRITATION SEEN AS COUGHING AND SNEEZING. THIS SUBSTANCE IS TOXIC TO MUCOUS MEMBRANES. INGESTION: MAY CAUSE IRRITATION WITH POSSIBLE NAUSEA, VOMITING, AND DIARRHEA. INGESTION OF LARGE DOSES MAY RESULT IN CALCIUM DEFICIENCY IN BLOOD.

#### **-Chronic (Long Term Exposure)**

LONG TERM ORAL OVEREXPOSURE MAY RESULT IN TOOTH ENAMEL EROSION. 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 and First Aid Procedures:**

#### **-Inhalation:**

IF DUST IS INHALED, REMOVE TO FRESH AIR. HAVE THE PERSON BLOW THEIR NOSE TO REMOVE THE SUBSTANCE FROM THE NASAL PASSAGES AND DISCOURAGE 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 WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. 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: No

NTP: No

OSHA: No

ACGIH: No

OTHER: No

**VOC CONTENT: 0% BY WEIGHT, 0% BY VOLUME, 0 G/L**

#### **SODIUM POLYACRYLATE**

EYE-RBT SDT: 2 MG MODERATE 3.

ORL-RAT LD50: >40 G/KG 3.

IHL-RAT TCLo: 10 MG/M3/6H/4W-I 3.

#### **SYNTHETIC AMORPHOUS SILICA, PRECIPITATED**

ORL-RAT LD50: >10,000 MG/KG 4.

SKN-RBT LD50: >5,000 MG/KG 4.

#### **CITRIC ACID**

ORL-RAT LD50: 3 G/KG 3.

SKN-RBT SDT: 500 MG/24H MILD 3.

EYE-RBT SDT: 750 UG/24H SEVERE 3.

---

## **SECTION VII - REACTIVITY DATA**

**Stability:**

Stable:X

Unstable:

Conditions to Avoid: REACTIONS WITH STRONG CAUSTICS CAN GENERATE STRONG EXOTHERMIC (HEAT) AND PRESSURE (SPLATTERING) REACTIONS. AVOID HEAT, HOT SURFACES, SPARKS, AND OPEN FLAMES. KEEP AWAY FROM DAMP CONDITIONS AS THIS PRODUCT WILL CAKE.

**Incompatibility (Materials to Avoid):**

STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE.

**Hazardous Decomposition Products:**

OXIDES OF CARBON.

**Hazardous Polymerization:**

May Occur:

Will Not Occur:X

Conditions to Avoid: N/A

---

## **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 REUSE OR DISPOSAL. IF NECESSARY WASH AREA WITH WATER. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND 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. <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:**

Indoors:X

Outdoors:

Heated:

Refrigerated:

Minimum Temperature:35°F

Maximum Temperature:120°F

**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**

**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, 2004.
2. OSHA PEL.
3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFOWeb, 2004.
4. VENDOR'S MSDS.

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, FLAM/FLAMM:FLAMMABLE, COMB:COMBUSTIBLE, CORR:CORROSIVE CARC:CARCINOGENIC, TOX:TOXIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN, PNOS:PARTICLES (INSOLUBLE) NOT OTHERWISE SPECIFIED, PNOR:PARTICULATES NOT OTHERWISE REGULATED SDT:STANDARD DRAIZE TEST, ORL:ORAL, IHL:INHALATION, HMN:HUMAN

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION.HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

CHEMSEARCH DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use,storage or disposal of the product."