

# SAFETY DATA SHEET

SAC-D

FILE NO.: SDSSACD2019

SDS DATE: 3/8/2021

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAC-D  
PRODUCT CODES: SACD-20, SACD-120

MANUFACTURER: ABSORBENT SPECIALTY PRODUCTS, LLC  
ADDRESS: 1 John30 Hamlet St., Pawtucket, RI 02861  
EMERGENCY PHONE: 401-722-1177  
CHEMTREC PHONE:  
OTHER CALLS: 401-722-1177  
FAX PHONE: 401-722-1160

CHEMICAL NAME: SODIUM POLYACRYLATE  
WHMIS SYMBOLS: NONE

PRODUCT USE: DESIGNED TO ABSORB, SWELL & GEL WATER TO CREATE A BALLISTIC BARRIER  
PREPARED BY: CAROL DANCER

## SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: NOT A DANGEROUS SUBSTANCE ACCORDING TO GHS CLASSIFICATION CRITERIA.

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS:

CONTENTS OF QUICK DAMS IF OUTER MATERIAL IS PUNCTURED: (OUTER FABRIC: NOT APPLICABLE)

EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER IF CONTACT OR IRRITATION OCCURS

SKIN: WASH OFF IN FLOWING WATER OR SHOWER

INGESTION: NO ADVERSE EFFECTS ANTICIPATED BY THIS ROUTE OF EXPOSURE.

INHALATION: SEEK WELL VENTILATED AREA. IF IRRITATION, SEVERE COUGHING OR BREATHING DIFFICULTY PERSISTS SEEK MEDICAL ATTENTION

CHRONIC: IF FABRIC IS OPEN, MAY CAUSE MILD MECHANICAL IRRITATION TO EYES, SKIN & RESPIRATORY TRACT

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING EYE OR RESPIRATORY DISORDERS.

SECTION 2 NOTES: SODIUM POLYACRYLATE IS A WHITE, GRANULAR, ODORLESS POLYMER THAT YIELDS A GEL-LIKE MATERIAL WITH THE ADDITION OF WATER. IT IS INSOLUBLE IN WATER AND CAUSES EXTREMELY SLIPPERY CONDITIONS WHEN WET. ALTHOUGH NOT REGULATED AS A HAZARDOUS MATERIAL, THE RESPIRABLE DUST IS A POTENTIAL RESPIRATORY TRACT IRRITANT. THE MANUFACTURER RECOMMENDS AN 8 HOUR EXPOSURE LIMIT OF 0.05mg/m<sup>3</sup>

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### COMPONENTS:

	<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>LD<sub>50</sub> of ingredient</u>	<u>LC<sub>50</sub> of ingredient</u>
OUTER MATERIAL				RAT 40mg/kg: ORAL ACUTE TOXICITY	
POLYPROPYLENE	9003-07-0	>99%			
BLACK PIGMENT	N/A	<.3%			
INNER MATERIAL:					
Sodium Polyacrylate	9003-04-7	100			

## SECTION 4: FIRST AID MEASURES: INNER CONTENTS OF QUICK DAMS

EYES: FLUSH WITH WATER FOR 15 MINUTES. IF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

SKIN: NOT APPLICABLE / OUTER FABRIC: IF MOLTEN, TREAT AS THERMAL BURN

INGESTION: NOT CONSIDERED HARMFUL IN SMALL QUANTITIES. IF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE PERSONS TO FRESH AIR IF EXCESSIVE AMOUNTS OF DUST INHALED. TRY TO EXPEL ANY MATERIAL IN BREATHING PASSAGES. IF IRRITATION PERSISTS, SEVERE COUGHING OR RESPIRATORY DIFFICULTY OCCUR, SEEK MEDICAL ATTENTION.

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR (% BY VOLUME)      UPPER: NE      LOWER: NE  
FLASH POINT:      °F: NONE      °C: NONE  
METHOD USED (oc or cc):  
AUTOIGNITION TEMPERATURE:      °F: NONE      °C: NONE  
NFPA HAZARD CLASSIFICATION  
HEALTH: 1      FLAMMABILITY: 1      REACTIVITY: 1      OTHER:  
HMIS HAZARD CLASSIFICATION  
HEALTH: 0      FLAMMABILITY: 1      REACTIVITY: 1      PROTECTION:  
EXTINGUISHING MEDIA:      WATER, DRY CHEMICAL, FOAM, CARBON DIOXIDE, HALON (USE MEDIA APPROPRIATE TO CONDITIONS.  
SPECIAL FIRE FIGHTING PROCEDURES:      WEAR A SELF CONTAINED BREATHING APARATUS & REFER TO ABSORBED LIQUID(S) MSDS  
UNUSUAL FIRE AND EXPLOSION HAZARDS:      CAUTION: CONTENTS SLIPPERY WHEN WET  
HAZARDOUS DECOMPOSITION PRODUCTS:      WHEN HEATED ABOVE MELTING POINT – OUTER FABRIC: CARBON MONOXIDE, CARBON DIOXIDE, ACROLLEIN, KETONES, ALDEHYSTES & OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES:  
CONTAINMENT:      SWEEP OR VACUUM MATERIAL WHEN POSSIBLE & SHOVEL INTO A WASTE CONTAINER.  
CLEAN UP:      USE CAUTION AFTER CONTACT 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:      NONE REQUIRED  
SPECIAL:      AVOID RESPIRABLE DUST INHALATION DURING CLEAN-UP. WEAR APPROPRIATE RESPIRATOR.

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE:      STORE IN A DRY CLOSED CONTAINER. KEEP CONTAINER CLOSED TO PREVENT ABSORPTION OF MOISTURE. HANDLE AS AN EYE AND RESPIRATORY TRACT IRRITANT.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:      THIS PRODUCT IS NOT REGULATED AS A HAZARDOUS MATERIAL.  
VENTILATION :      NOT REQUIRED  
RESPIRATORY PROTECTION:      NOT REQUIRED  
EYE PROTECTION:      NOT REQUIRED, SAFETY GLASSES CAN BE WORN FOR GOOD INDUSTRIAL PRACTICE.  
SKIN PROTECTION:      NOT APPLICABLE  
WORK HYGIENIC PRACTICES:  
EXPOSURE GUIDELINES:      NOT APPLICABLE

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: INNER CONTENTS: WHITE GRANULAR POWDER OUTER CONTENTS: BLACK NEEDLEPUNCH FABRIC  
ODOR: NO ODOR  
PHYSICAL STATE: SOLID BLACK OUTER FABRIC  
pH: 5.5-6.5 (1% IN WATER)  
BOILING POINT: NOT APPLICABLE  
MELTING POINT: NOT APPLICABLE/OUTER FABRIC: 248-338°F  
FREEZING POINT:  
VAPOR PRESSURE (mmHg): NOT APPLICABLE  
VAPOR DENSITY (AIR = 1): NOT APPLICABLE  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): (H<sub>2</sub>O = 1): 1.5  
EVAPORATION RATE: NOT APPLICABLE  
SOLUBILITY IN WATER: SWELLS IN WATER, SLIGHTLY WATER SOLUBLE/OUTER FABRIC: NOT APPLICABLE

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## SECTION 10: STABILITY AND REACTIVITY

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	<u>STABLE</u>	<u>UNSTABLE</u>
STABILITY:	YES	
CONDITIONS TO AVOID (STABILITY):		NOT ESTABLISHED
INCOMPATIBILITY (MATERIAL TO AVOID):		WATER ACTIVATES INTERNAL PRODUCT. STRONG OXIDIZING BASES MAY DEGRADE OUTER FABRIC.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:		NOT ESTABLISHED. OUTER FABRIC MAY EMIT TOXIC FUMES WHEN HEATED
HAZARDOUS POLYMERIZATION:		WILL NOT OCCUR
CONDITIONS TO AVOID (POLYMERIZATION):		AVOID OPEN FLAME & SPARKS

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: ACUTE INHALATION OF RESPIRABLE DUST MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT AND LUNGS.  
ACUTE TOXICITY – LD<sub>50</sub>/LC<sub>50</sub> SODIUM POLYACRYLATE, LD<sub>50</sub>: ORAL LD<sub>50</sub> RAT: 40 mg/kg

### SECTION 11 NOTES:

CHRONIC INHALATION EXPOSURE TO RATS FOR LIFETIME (2 YEARS) USING SODIUM POLYACRYLATE THAT HAD BEEN MICRONIZED TO A RESPIRABLE PARTICLE SIZE (LESS THAN 10 MICRONS) PRODUCED NON-SPECIFIC INFLAMMATION AND CHRONIC LUNG INJURY AT 0.2mg/m<sup>3</sup> AND 0.8mg/m<sup>3</sup>. ALSO, AT 0.8mg/m<sup>3</sup>, TUMORS WERE SEEN IN SOME TEST ANIMALS. IN THE ABSENCE OF CHRONIC INFLAMMATION, TUMORS ARE NOT EXPECTED. THERE WERE NO ADVERSE EFFECTS DETECTED AT 0.05mg/m<sup>3</sup>.

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: COMPOSTED POLYACRYLATE ABSORBENTS ARE NON-TOXIC TO AQUATIC OR TERRESTRIAL ORGANISMS AT PREDICTED EXPOSURE LEVELS FROM CURRENT APPLICATION RATES.

### SECTION 12 NOTES:

POLYACRYLATE ABSORBENTS ARE RELATIVELY INERT & ANAEROBIC CONDITIONS. THEY ARE IMMOBILE IN LANDFILLS & SOIL SYSTEMS (GREATER THAN 90% RETENTION), WITH THE MOBILE INTERACTION SHOWING BIODEGRADIBILITY. THEY ARE ALSO COMPATIBLE WITH INCINERATION OF MUNICIPAL SOLID WASTE. INCIDENTAL DOWN-THE-DRAIN-DISPOSAL OF SMALL QUANTITIES OF POLYACRYLIC ABSORBENTS WILL NOT EFFECT THE PERFORMANCE OF WASTEWATER TREATMENT SYSTEMS.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: IF UNUSED, NO SPECIAL PRECAUTIONS ARE NECESSARY. THIS PRODUCT IS NOT SUBJECT TO THE 40 CFR PART 268.30 LAND BAN ON THE DISPOSAL OF CERTAIN HAZARDOUS WASTES. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. IN CERTAIN TYPES OF CLEANUP APPLICATIONS THE NATURE OF THE MATERIAL RECOVERED WILL CLASSIFY THE RESULTING SPENT MATERIAL AS A HAZARDOUS COMPONENT. IN SUCH INSTANCES, THE MATERIAL SHOULD BE DISPOSED OF VIA AN APPROVED HAZARDOUS WASTE DISPOSAL SERVICE AND THE APPROPRIATE MANIFESTING OBTAINED.

RCRA HAZARD CLASS: NONE

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## SECTION 14: TRANSPORT INFORMATION

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THIS PRODUCT IS NOT TRANSPORT REGULATED.

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## SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS: NO COMPONENTS ARE LISTED IN THE WHMIS IDL  
TSCA (TOXIC SUBSTANCE CONTROL ACT): ALL INGREDIENTS ARE LISTED  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NO REPORTABLE QUANTITY  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NO LISTED INGREDIENT  
311/312 HAZARD CATEGORIES:  
313 REPORTABLE INGREDIENTS:  
STATE REGULATIONS:  
INTERNATIONAL REGULATIONS:

### SECTION 15 NOTES:

THIS PRODUCT IS NOT STATE OR FEDERALLY REGULATED AS A HAZARDOUS MATERIAL. CFR REFERENCES FOR THE FDA REGULATED COMPONENTS IN THIS PRODUCT ARE LISTED.

SODIUM POLYACRYLATE (9003-04-7)  
DIRECT FOOD ADDITIVE: 173.73, 173.310  
INDIRECT FOOD ADDITIVESL: 175.105

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: NONE - EXTREME  
NFPA HAZARD RATING: 0 - 4

HEALTH: 1  
FIRE: 1  
REACTIVITY: 1

### PREPARATION INFORMATION:

DISCLAIMER: THE INFORMATION HEREIN IS PESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE GIVEN. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED, IS GIVEN. IT IS THE BUYER'S RESPONSIBILITY TO ENSURE THAT ITS ACTIVITIES COMPLY WITH FEDERAL, STATE OR LOCAL LAWS.