

Arlington Chemical Co.

Safety Data Sheet

Super Seal Powder

SDS REVISION DATE:

05/28/2015

1. Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier:

Product Identity:

Super Seal Powder

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Intended Use:

Arterial Embalming Chemical

Application Method:

See Technical Data Sheet

1.3 Details Of The Supplier Of the Safety Data Sheet:

Company Name:

Arlington Chemical Co.
2913 "51st" Place
Tuxedo, MD 20785

Emergency:

CHEMTREC (USA)

800-424-9300

Arlington Chemical Co.
(Customer Service)

301-772-6150

2. Hazard Identification Of The Product

2.1 Classification Of The Substance or Mixture:

Acute Tox: 4;H302

Harmful if swallowed

Acute Tox: 2;H330

Fatal if inhaled

Eye Dam: 1;H318

Causes mild irritation to eyes

Skin Sens: 1;H317

May cause an allergic skin reaction

Aquatic Chronic: 1;H410

Toxic to aquatic life with long lasting effects

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2.2. Label Elements:

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows:



DANGER

- H317 May cause an allergic skin reaction
- H318 Causes mild irritation to eyes

- H440 Toxic to aquatic life with long-lasting effects

(PREVENTION):

- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P210 Keep away from heat / sparks / open flames / hot surfaces – NO SMOKING

- P261 Avoid breathing dust
- P264 Wash thoroughly after handling
- P270 Do not eat, drink or smoke when using this product.
- P271 Use in a well-ventilated area; or use only outdoors
- P272 Contaminated work clothing should not be allowed out of the workplace
- P273 Avoid release to the environment
- P280 Wear protective gloves / eye protection / face protection
- P284 Wear respiratory protection

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(RESPONSE):

- P301 + 330 + 331 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
- P302 + 352 IF ON SKIN: Wash with plenty of soap and water
-
- P303 + 361 + 353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower
-
- P305 + 351 + 338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
-
- P308 + 313 IF exposed or concerned: Get medical advice / attention
- P320 Special treatment is urgent (see information on this label)
- P333 + 313 If skin irritation or a rash occurs: Get medical advice / attention
- P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P363 Wash contaminated clothing before reuse
-
- P391 Collect spillage

(STORAGE):

- P402 + 233 Store in a well ventilated place. Keep container tightly closed
- P302 + 352 IF ON SKIN: Wash with plenty of soap and water

(DISPOSAL):

- P501 Dispose of contents / container in accordance with local / national regulations

3. Composition / Information On Ingredients

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES THAT PRESENT A HAZARD WITHIN THE MEANING OF THE RELEVANT STATE AND FEDERAL HAZARDOUS SUBSTANCES REGULATIONS.

INGREDIENTS / CHEMICAL DESIGNATIONS	WEIGHT %	GHS CLASSIFICATION	NOTES
Sodium Carboxymethyl Cellulose CAS Number: 9004-32-4	23 - 50	Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301 Carc. 1B;H350 Muta. 2;H341 Skin Corr. 1B;H314 Skin Sens. 1;H317	(1) (2)

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NOTES:

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit

THE FULL TEXTS OF THE PHRASES ARE SHOWN IN SECTION 16.

4. First Aid Measures

4.1. Description of first aid measures:

**GENERAL
INHALATION
EYES, SKIN
INGESTION**

MOVE VICTIM TO FRESH AIR
ADMINISTER OXYGEN IF BREATHING IS DIFFICULT
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES
KEEP VICTIM WARM AND QUIET
EFFECTS OF EXPOSURE (INHALATION, INGESTION OR SKIN CONTACT) TO SUBSTANCE MAY BE DELAYED. ENSURE THAT MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED AND TAKE PRECAUTIONS TO PROTECT THEMSELVES.
MOVE VICTIM(S) TO FRESH AIR. CALL EMERGENCY MEDICAL CARE. APPLY ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. DO NOT USE "MOUTH-TO-MOUTH" METHOD IF VICTIM INGESTED OR INHALED THE SUBSTANCE; GIVE ARTIFICIAL RESPIRATION WITH AID OF A POCKET MASK EQUIPPED WITH A ONE-WAY VALVE OR THEIR PROPER RESPIRATORY MEDICAL DEVICE. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT.
IRRIGATE COPIOUSLY WITH CLEAN FRESH WATER FOR AT LEAST 15 MINUTES, HOLDING THE EYELIDS APART AND SEEK MEDICAL ATTENTION.
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES. IN CASE OF CONTACT WITH SUBSTANCE, IMMEDIATELY FLUSH SKIN OR EYES WITH RUNNING WATER FOR AT LEAST 20 MINUTES. SHOWER AND WASH WITH SOAP AND WATER. KEEP VICTIM WARM AND QUIET.
IF ACCIDENTALLY SWALLOWED OBTAIN IMMEDIATE MEDICAL ATTENTION. KEEP AT REST. DO NOT INDUCE VOMITING.

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4.2. Most important symptoms and effects, both acute and delayed:

OVERVIEW:	Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Reproductive or genetic defect hazard. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
INHALATION:	Fatal if inhaled. May cause damage to organs
EYES:	Causes mild irritation to eyes
INGESTION:	Harmful if swallowed

5. Fire-fighting Measures

5.1. Extinguishing Media:

Dry chemical, foam, carbon dioxide and water fog

5.2. Special hazards arising from the substance or mixture:

-	Obtain special instructions before use
-	Do not handle until all safety precautions have been read and understood
-	Keep away from heat / sparks / open flames / hot surfaces – No smoking
-	Avoid breathing dust / fume / gas / mist / vapors / spray

5.3. Advice For Fire-Fighters:

-	Wear dust mask
-	Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection
-	Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible

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5.3. Advice For Fire-Fighters (Con't):

-	Contact with substance may cause mild irritation to eyes
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ERG Guide No. 132

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

Water spray may reduce vapor; but may not prevent ignition in closed spaces

6.2. Environmental Precautions:

Do not allow spills to enter drains or water courses

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Method and Material for containment and clean up:

CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper is not available or there is no answer, refer to appropriate telephone number listed on the inside back cover.

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away

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7. Handling and Storage

7.1. Precautions For Safe Handling:
See Section 2 for further details - [Prevention]

7.2. Conditions for Safe Storage, Including Any Incompatibilities:
Handle containers carefully to prevent damage and spillage

Incompatible Materials: Avoid contact with strong oxidizers, strong alkalis, strong mineral acids, phenol and urea.

See section 2 for further details – [Storage]

8. Exposure Controls and Personal Protection

8.1. Control Parameters:

Exposure

Cas No.	Ingestion	Source	Value
9004-32-4	Sodium Carboxymethyl Cellulose	OSHA	TWA 0.75 ppm STEL. 2ppm
		ACHIH	TWA: 0.3 ppm Ceiling: 1 ppm S, A2, 1
		NIOSH	Ca TWA 0.016 ppm C 0.1 ppm [15-minute]
		Supplier	No Established Limit

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8.1. Control Parameters (Con't):

Carcinogen Data

Cas No.	Ingestion	Source	Value
9004-32-4	Sodium Carboxymethyl Cellulose	OSHA	Not established. This product is not expected to cause physiologic impairment at low concentration. This product should be treated as a nuisance dust or particulate in accordance with the recommendation of ACGIH.

8.2. Exposure Controls:

Respiratory:	Not necessary where area is properly ventilated
Eyes:	Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids
Skin:	Wear PVC or rubber gloves
Engineering Controls:	Provide adequate ventilation
Other Work Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details – [Prevention]:

9. Physical and Chemical Properties

Appearance:	Cream colored powder
Odor:	Odorless
Order Treshold:	Not Measured
pH:	8.0 – 9.2
Melting Point / Freezing Poing (°C):	N/A
Initial Boiling Point & Boiling Range (°C):	N/A
Flash Point:	Auto ignition temperature 370 C
Evaporation Rate (Ether = 1):	N/A

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9. Physical and Chemical Properties (Con't):

Flammability (solid, gas):	Not Applicable
Upper/lower flammability or explosive limits:	Lower Explosive Limit: 7% Upper Explosive Limit: 73%
Vapor Pressure (Pa):	N/A
Vapor Density:	N/A
Solubility In Water:	Complete
Partition coefficient n=octanol/water (Log Kow):	Not Measured
Auto-ignition Temperature (°C):	Not Measured
Decomposition temperature:	Not Measured
Viscosity (cSt):	Not Measured

9.2 Other Information:

No other relevant information

10. Stability and Reactivity10.1. Reactivity:

Hazardous Polymerization will not occur

10.2. Chemical Stability:

Stable under the recommended storage and handling conditions prescribed

10.3. Possibility Of Hazardous Reactions:

No data available

10.4. Conditions To Avoid:

Avoid heat and open flame

10.5. Incompatible Materials:

Avoid contact with strong oxidizers, strong alkalis, strong mineral acids, phenol and urea.

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11. Toxicological Information

ACUTE TOXICITY:

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L 4hr	Inhalation Gas LD50, ppm
Sodium Carboxymethyl Cellulose	No data Available	No data Available	No data Available	No Data Available	No data Available

Item	Category	Hazard
Acute Toxicity (mouth)	- - -	Harmful if swallowed
Acute Toxicity (skin)	- - -	Toxic in contact with skin
Acute Toxicity (inhalation)	- - -	Fatal if inhaled
Skin Corrosion / Irritation	- - -	Causes severe skin burns and eye damage
Eye Damage / Irritation	1	Causes mild irritation to eyes
Sensitization (respiratory)	- - -	Not Applicable
Sensitization (skin)	- - -	May cause an allergic skin reaction
Germ Toxicity	- - -	Suspected of causing genetic defects
Carcinogenicity	- - -	May cause cancer
Reproductive Toxicity	- - -	Not applicable
Specific Target Organ Systemic Toxicity (single exposure)	- - -	May cause damage to organs
Specific Target Organ Systemic Toxicity (repeated exposure)	- - -	Not applicable

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12. Ecological Information

12.1. Toxicity:

Very toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium Carboxymethyl Cellulose	1.41 Oncorhynchus mykiss	5.80 Daphnia pulex	0.788 (96 hr), Ulva pertusa

12.2. Persistence and Degradability:

There is no data available on the preparation itself

12.3. Bioaccumulative Potential:

Not Measured

12.4. Mobility In Soil:

No data available

12.5. Results of PBT and vPvB assessment:

This product contains no PBT/vPvB chemicals

12.6. Other Adverse Effects:

No data available

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13. Disposal Considerations

13.1. Waste Treatment Methods:

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

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14. Regulatory Information

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA inventory		
WHMIS Classification:	D2A E		
US EPA Tier II Hazards:	Fire:	Yes	
	Sudden Release Of Pressure:	No	
	Reactive:	No	
	Not Defined:	Yes	
	Delayed (Chronic):	Yes	

EPCRA 311/312 Chemicals and RQs (lbs):

Sodium Carboxymethyl Cellulose

EPCRA 302 Extremely Hazardous:

Sodium Carboxymethyl Cellulose

Proposition 65 – Carcinogens (>0.0%):

Sodium Carboxymethyl Cellulose

Proposition 65 – Developmental Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 – Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 – Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Sodium Carboxymethyl Cellulose

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15. Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

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H314 Causes mild irritation to eyes.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

This is the first revision of this SDS format, changes from previous revision not applicable.

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