

# SAFETY DATA SHEET

## HYDRO-SEAL

SDS Revision Date: 05/26/2015



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### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product Identifiers

<b>Product Identity</b>	Hydro-Seal
<b>Alternate Names</b>	Incision sealing compound, Mixture

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

<b>Identified Uses</b>	Incision Sealing Powder, Sundry
<b>Application Method</b>	See Technical Data Sheet

#### 1.3 Details of the supplier of the safety data sheet

<b>Company Name</b>	Hydrol Chemical Company, Inc. 520 Commerce Drive Yeadon, PA 19050
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#### 1.4 Emergency telephone number

<b>CHEMTREC (USA)</b>	(800) 424-9300
<b>Customer Service</b>	
<b>Hydrol Chemical Company, Inc.</b>	(800) 345-8200 (610) 622-3603

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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**  
Acute aquatic toxicity 3, H402  
Chronic aquatic toxicity 3, H412

#### 2.2 GHS Label elements, including precautionary statements

**Pictogram:** None

**Signal word:** None

**Hazard statements:**  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**  
P273 Avoid release to the environment.

**Response statements:**  
None.

**Storage statements:**  
None.

**Disposal statements:**

P501 Dispose of contents/container to an approved waste disposal plant.

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**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.

<u>Ingredient / Chemical Designations</u>	<u>Weight %</u>	<u>GHS Classification</u>	<u>Notes</u>
Sodium Carboxymethylcellulose CAS Number: 0009004-32-4	80 – 90		(1)
Potassium Aluminum Sulfate CAS Number: 0010043-67-1	5 – 10		(1)

(1) Substance classified with a health or environmental hazard.

(2) Substance with a workplace exposure limit.

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**4. FIRST AID MEASURES****4.1 Description of first aid measures**

**General:** In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation:** Move victim to fresh air. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention.

**Eyes:** Irrigate copiously with clean, fresh water for at least 15 minutes, holding eyelids apart, and seek medical attention.

**Skin:** Remove contaminated clothing. Wash with soap and water.

**Ingestion:** If the person is conscious, induce vomiting immediately by giving two glasses of water and pressing finger down throat. Repeat until vomit is clear, then give milk. Contact a physician immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

**Overview** No specific symptom data available.

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**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**

Carbon monoxide and dioxide.

**5.3 Advice for fire-fighters**

Wear positive pressure self-contained breathing apparatus (SCBA) if necessary.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

Keep container closed when not in use. Avoid contact with eyes and skin..

### 6.2 Environmental precautions

Do not allow spills to enter drains or watercourses.

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

### 6.3 Methods and material for containment and cleanup

Clean up solid material carefully. Remove material to a chemical disposal area.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

See Section 2 for further details.

### 7.2 Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Avoid contact with strong oxidizers / alkalis / mineral acids.

See Section 2 for further details.

### 7.3 Specific end use(s)

No data available.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure

<u>Ingredient / Chemical Designations</u>	<u>Source</u>	<u>Value</u>
Sodium Carboxymethylcellulose CAS Number: 0009004-32-4	OSHA ACGIH NIOSH Supplier	No established limit No established limit No established limit No established limit
Potassium Aluminum Sulfate CAS Number: 0010043-67-1	OSHA ACGIH NIOSH Supplier	No established limit No established limit No established limit No established limit

#### Carcinogen Data

<u>Ingredient / Chemical Designations</u>	<u>Source</u>	<u>Value</u>
Sodium Carboxymethylcellulose CAS Number: 0009004-32-4	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1, 2a, 2b, 3, 4: No
Potassium Aluminum Sulfate CAS Number: 0010043-67-1	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1, 2a, 2b, 3, 4: No

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## 8.2 Exposure controls

<b>Respiratory</b>	Not necessary where area is properly ventilated.
<b>Eyes</b>	Wear safety eyewear; safety glasses, goggles, or visors to protect against splashing liquid.
<b>Skin</b>	Wear overalls which cover the body, arms, and legs. Skin should not be exposed. All parts of the body should be washed after contact. Wear PVC, vinyl, nitrile, or latex gloves.
<b>Engineering Controls</b>	Provide adequate ventilation. If the use of local exhaust ventilation is insufficient to maintain vapor levels below occupational exposure limits, suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene. Wash hands before eating, drinking, smoking, or toileting. Promptly remove soiled clothing; wash thoroughly before reuse.

See Section 2 Precautionary Statements for further details.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White powder
<b>Odor</b>	odorless
<b>Odor threshold</b>	No data available
<b>pH</b>	N/A
<b>Melting pt. / freezing pt.</b>	No data available
<b>Initial boiling pt. and boiling range</b>	N/A
<b>Flash point (TCC)</b>	> 100C (>212°F)
<b>Evaporation rate (Bu Acetate = 1)</b>	N/A
<b>Flammability (solid, gas)</b>	N/A
<b>Upper/Lower flammability or explosion limits</b>	Lower explosive limit: no data available Upper explosive limit: no data available
<b>Vapor pressure (Pa)</b>	No data available
<b>Vapor density</b>	Greater than 1
<b>Specific gravity</b>	No data available
<b>Solubility in water</b>	No data available
<b>Partition coefficient n-octanol/water (log Pow)</b>	No data available
<b>Auto-ignition temperature (C)</b>	No data available
<b>Decomposition temperature (C)</b>	No data available
<b>Viscosity (cps)</b>	No data available

### 9.2 Other information

No other relevant information.

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Hazardous polymerization will not occur.

### 10.2 Chemical stability

Stable under recommended storage/handling conditions. May form formic acid and methanol at elevated temperatures.

### 10.3 Possibility of hazardous reactions

No data available.

#### 10.4 Conditions to avoid

Avoid prolonged exposure to heat and flame.

#### 10.5 Incompatible materials

Avoid contact with strong oxidizers, strong alkalis, strong mineral acids.

#### 10.6 Hazardous decomposition products

Carbon monoxide and dioxide.

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

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Ingredient / Chemical Designations	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 Carboxymethylcellulose CAS Number: 0009004-32-4	27,000.00, Rat - Category: N/A	>2,000.00, Rabbit - Category: N/A	No data available	No data available	No data available
Potassium Aluminum Sulfate CAS Number: 0010043-67-1	No data available	No data available	No data available	No data available	No data available

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Item	Category	Hazard
Acute Toxicity (mouth)	-	N/A
Acute Toxicity (skin)	-	N/A
Acute Toxicity (inhalation)	-	N/A
Skin Corrosion / Irritation	-	N/A
Eye Damage / Irritation	-	N/A
Sensitization (respiratory)	-	N/A
Sensitization (skin)	-	N/A
Germ Toxicity	-	N/A
Carcinogenicity	-	N/A
Reproductive Toxicity	-	N/A
Specific Target Organ Systemic Toxicity (single exposure)	-	N/A
Specific Target Organ Systemic Toxicity (repeated exposure)	-	N/A
Aspiration Hazard	-	N/A

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### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

#### Aquatic Ecotoxicity

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Ingredient / Chemical Designations	96 hr LC50 Fish (mg/l)	48 hr EC50 Crustacean (mg/l)	ErC50 Algae (mg/l)
Sodium Carboxymethylcellulose CAS Number: 0009004-32-4	1,000.00, Oncorhynchus mykiss	86.26, Daphnia magna	No data available
Potassium Aluminum Sulfate CAS Number: 0010043-67-1	No data available	No data available	No data available

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**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**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

**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 enacted under the Control of Pollution Act and the Environmental Protection Act.

Using information supplied within this SDS, advice should be obtained from the Waste Regulation Authority whether any special local municipal waste regulations apply.

**14. TRANSPORTATION INFORMATION****14.1 Transport Classes****DOT (Domestic Surface Transportation)****DOT Proper Shipping**

Name: Not Regulated

DOT Shipping Class: N/A

**IMO / IMDG (Ocean Transportation)****IMDG Proper Shipping**

Name: Not Regulated

IMDG Hazard Class: N/A

Sub Class: N/A

**14.2 Environmental hazards**

DOT: N/A

IMDG:

Marine pollutant: N/A

**15. REGULATORY INFORMATION**

**Overview** The data provided in this section includes select regulations, and is not inclusive of all regulations that may be applicable to this product. All ingredients of this product are listed on the TSCA Inventory, or are not required to be listed.

**WHMIS Classification** N/A

