

# SAFETY DATA SHEET

Product: 4030  
Revision Date: 6/01/2015

## 1. MATERIAL IDENTIFICATION

**Product Name:** Aremco-Seal 4030

**Product Description:** Silicone-Ceramic Sealant, Translucent Off-White, And Solvent Odor  
**Product Use:** High Temperature Sealant

**Manufacturer:** Aremco Products, Inc.  
707-B Executive Blvd.  
Valley Cottage, NY 10989

**Telephone:** 845-268-0039  
**Emergency Phone:** 845-268-0039 or Infotrac (24/7) 800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
Skin Irritation Category 2  
Eye Irritation Category 2

**GHS Symbols:**



**GHS Signal Word:**  
Warning

**GHS Hazard Determining Components:**  
Silicon Emulsion  
Fused Silica

**GHS Hazard Statements for Health Hazards:**  
H315 Causes skin irritation  
H319 Causes serious eye irritation

**GHS Precautionary Statements - Prevention:**  
P233 Keep container tightly closed.  
P280 Wear protective gloves/eye protection/face protection.

**GHS Precautionary Statements - Response:**  
P312 Call a poison center or physician if you feel unwell.  
P303 + P361 + P353 IF ON SKIN: Remove contaminated clothing and rinse skin with water.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

**GHS Precautionary Statements – Storage & Disposal:**  
P403 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION

Ingredient	CAS No.	EC No.	Concentration	GHS Product Identifier
Silica, Fused	60676-86-0	231-545-4	30.0-40.0%	
Silicon Dioxide (>99%)	7631-86-9	231-545-4		H319 Serious Eye Damage/Irritation, Cat 2A H335 STOT, SE; Respiratory Tract Irritation, Cat 3
Silica, Crystalline (<1%)	14808-60-7	238-878-4		H319 Serious Eye Damage/Eye Irritation, Cat 2 H335 STOT, SE; Respiratory Tract Irritation, Cat 3 H373 STOT, RE; Respiratory Tract Irritation, Cat 3
Water	7732-18-5	231-791-2	20.0-30.0%	N/A
Silicone Emulsion Including:			30.0-50.0%	H226 Flammable Liquids, Cat 3 H315 Skin Irritation, Cat 2 H319 Eye Irritation, Cat 2
Water (40.0-50.0%)	7732-18-5	NA		N/A
Xylene (5.0-10.0%)	1330-20-7	215-535-7		H226 Flammable Liquids, Cat 3 H312 Acute Toxicity, Dermal, Cat 4 H315 Skin Corrosion/Irritation, Cat 2 H332 Acute toxicity, Inhalation, Cat 4
Methanol (0.5-1.0%)	67-56-1	200-659-6		H225 Flammable Liquids, Cat 2 H301 Acute Toxicity, Oral, Cat 3 H311 Acute Toxicity, Dermal, Cat 3 H331 Acute Toxicity, Inhalation, Cat 3 H370 STOT SE, Oral, Skin, Dermal, Cat 1
1-Propanol, 2-Methyl- (2.5-5.0%)	78-83-1	201-148-0		H226 Flammable Liquids, Cat 3 H315 Skin Corrosion/Irritation, Cat 2 H318 Serious Eye Damage/Eye Irritation, Cat 1 H335 STOT, SE; Respiratory Tract Irritation, Cat 3 H336 STOT, SE; Narcotic Effects, Cat 3
Ethyl Benzene (1.0-2.5%)	100-41-4	202-849-4		H225 Flammable Liquids, Cat 2 H332 Acute toxicity, Inhalation, Cat 4

### 4. FIRST AID MEASURES

<b>After eye contact:</b>	Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist.
<b>After skin contact:</b>	Immediately wipe excess material off skin with a dry cloth then wash with soap and water for at least 5 minutes.
<b>After inhalation:</b>	In case of inhalation due to <u>spray mist</u> , remove source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR).
<b>After ingestion:</b>	If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.
<b>Medical Conditions Possibly Aggravated by Exposure:</b>	Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

### 5. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	> 200 °F
<b>Flammable Limits:</b>	Not measured.
<b>Extinguishing Media:</b>	Foam, carbon dioxide, dry powder, water spray.
<b>Special Fire Fighting Procedures:</b>	Firefighters should wear NIOSH/MSHA approved positive pressure breathing apparatus with full face-piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
<b>Unusual Fire and Explosion Hazards:</b>	This material can release carbon monoxide, carbon dioxide, and silicon dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Protection:</b>	Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.
<b>Spill Cleanup:</b>	Ensure adequate ventilation. Take up with absorbent material (e.g., sand). Dispose of absorbed material in accordance with federal, state and local regulations or permits. Flush area with water to complete cleanup.

## 7. HANDLING AND STORAGE

**Handling:** Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

**Storage:** Store in an area that is cool, dry, well ventilated, away from combustible material, and away from ignition sources. Keep containers closed. Store in clean plastic or stainless steel containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS No.	EC No.	TLV (mg/m <sup>3</sup> )	PEL (mg/m <sup>3</sup> )
Silicon Dioxide, Fused	60676-86-0	231-545-4	Not established	Not established
Water	7732-18-5	NA	N/A	N/A
Silicone Emulsion Including:				
Water	7732-18-5	NA	N/A	N/A
Xylene	1330-20-7	215-535-7	440	440
Methanol	67-56-1	200-659-6	270	270
1-Propanol, 2-Methyl-	78-83-1	201-148-0	310	310
Ethyl Benzene	100-41-4	202-849-4	N/D	N/D

**Engineering Controls:** Use with adequate ventilation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.

**Respiratory Protection:** If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.

**Skin Protection:** Wear body-covering protective clothing and gloves. A protective glove made of fluorinated rubber is recommended.

**Eye Protection:** Wear chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for exact specifications.

**Appearance:** Liquid

**Color:** Translucent Off-White

**Odor threshold:** No available information

**Odor:** Xylene

**pH:** 6-8

**Specific Gravity, g/cc:** 1.30-1.35

**Water Solubility:** Miscible

**Melting Point Range:** No available information

**Boiling Point Range:** 212 °F

**Vapor Pressure:** No available information

**Vapor Density (air=1):** No available information

**VOC Content, g/l:** 0.86 lbs/gal

**Viscosity:** 50-100 cP

**Decomposition temperature:** No available information

**Auto-ignition temperature:** No available information

**Partition coefficient:** No available information

**Flash point:** > 200 °F

**Flammability:** No available information

**Evaporation rate:** No available information

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** This material is stable under all conditions of use and storage.

**Conditions to Avoid:** Contact with strong oxidizing agents.

**Materials to Avoid:** Reacts with oxidizing agents.

**Hazardous Decomposition Products:** None with proper storage and handling.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Note:** Due to the composition of the product it cannot be excluded that prolonged and repeated contact will result in irritation of the eyes. Proper use provided, no adverse health effects have been observed or have come to our attention.

**Acute Toxicity Data:** Not available  
**Chronic Toxicity Data:** Not available  
**NTP Listing:** Not listed  
**IARC Listing:** Not listed

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not tested, but should not be allowed to enter soil or waterways.  
**Environmental Fate:** Not tested.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Dispose in accordance with federal, state and local regulations and permits.

## 14. TRANSPORTATION INFORMATION

**DOT UN Status:** The material is not a regulated hazardous material for transportation.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

**CERCLA:**

<u>CAS No.</u>	<u>Lbs</u>
1330-20-0	100

**TSCA:** All ingredients of this material are listed on the TSCA inventory.

**SARA Section 313:**

<u>Components</u>	<u>CAS No.</u>	<u>Concentration (%)</u>
Methanol	67-56-1	0-0 (0.87)
Xylenes (o-, m-, p- Isomers)	1330-20-7	0-0 (7.27)
Ethyl benzene	100-41-4	0-0 (2.42)



**SARA Sections 311, 312:**

<u>Hazard Classes</u>	<u>Yes/No</u>
Fire	No
Reactivity	No
Pressure	No
Immediate	Yes
Delayed	No

**International Inventory**

<u>Country</u>	<u>Status</u>
Canada (DSL)	Yes
Europe (EINECS/ELINCS)	Yes
Australia (AICS)	Yes
Japan (MITI)	Yes
South Korea (KECL)	Yes

## 16. OTHER INFORMATION

<b>NFPA Ratings (scale 0 – 4)</b>	Health, 1 Flammability, 0 Reactivity, 0 Personal Protection, G	
<b>HMIS Ratings (scale 0 – 4)</b>	Health, 1 Flammability, 0 Reactivity, 0 Personal Protection, G	

### Key Legend Information

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ARD</b>	International Agency for Research on Cancer
<b>CAS</b>	Chemical Abstract Service
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation & Liability Act
<b>DSL</b>	Domestic Substance List
<b>EC</b>	European Commission
<b>HMIS</b>	Hazardous Materials Identification System
<b>IARC</b>	International Agency for Research on Cancer
<b>ND</b>	Not Determined
<b>NE</b>	Not Established
<b>NFPA</b>	National Fire Protection Association
<b>NIOSH</b>	National Institute for Occupational Safety & Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RE</b>	Repeat Exposure
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances
<b>SARA</b>	Superfund Amendments & Reauthorization Act
<b>SARA Title III</b>	Emergency Planning & Community Right to Know Act
<b>SARA Section 302</b>	Extremely Hazardous Substances
<b>SARA Section 304</b>	Emergency Release
<b>SARA Section 311</b>	MSDS/List of Chemicals & Hazardous Inventory
<b>SARA Section 312</b>	Emergency & Hazardous Inventory
<b>SARA Section 313</b>	Toxic Chemicals & Release Reporting
<b>SE</b>	Single Exposure
<b>STEL</b>	Short Term Exposure Limit
<b>STOT</b>	Specific Target Organ Toxicity
<b>TLV</b>	Threshold Limit Value
<b>TWA</b>	Time Weighted Average

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