

# SAFETY DATA SHEET

**Product:** 509-S  
**Revision Date:** 1/04/2021

## 1. MATERIAL IDENTIFICATION

**Product Name:** Crystalbond 509-S Stripper

**Product Description:** Transparent Liquid, Slight Ammonia Odor  
**Product Use:** Adhesive Solvent

**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:**

Flammable Liquids	Category 4
Acute Toxicity, Dermal	Category 4
Acute Toxicity, Inhalation	Category 4
Reproductive Toxicity	Category 1B
Specific Target Organ Toxicity, Single Exposure	Category 1 (Liver)
Specific Target Organ Toxicity, Single Exposure	Category 3 Narcotic Effects
Specific Target Organ Toxicity, Repeated Exposure	Category 2 (Respiratory System)

### **GHS Symbol:**



### **GHS Signal Word:**

Danger

### **GHS Hazard Determining Component:**

Dimethyl Acetamide

### **GHS Hazard Statements for Health Hazards:**

H227	Combustible liquid
H312	Harmful in contact with skin
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H360	May damage fertility or the unborn child
H370	Causes damage to liver
H373	May cause damage to respiratory system

### **GHS Precautionary Statements - Prevention:**

P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from flames and hot surfaces. No smoking.
P260	Do not breathe vapors
P264	Wash arms and face thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only in a well-ventilated area
P280	Wear protective gloves. Wear eye and face protection.
P281	Use personal protective equipment as required.

### **GHS Precautionary Statements – Response:**

P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	If exposed or concerned, get medical advice/attention.
P312	Call a Poison Center or doctor if you feel unwell
P363	Wash contaminated clothing before reuse

**GHS Precautionary Statements – Storage:**

P403+P235

Store in a well-ventilated place and keep cool

P405

Store locked up.

**GHS Precautionary Statements – Disposal:**

P501

Dispose of contents/container in accordance with local, regional, national or international regulations.

**3. COMPOSITION**

Chemical	CAS No.	EC No.	Concentration	GHS Product Identifier
Dimethyl Acetamide	127-19-5	204-826-4	> 90.0 %	H314 Skin Corrosion/Irritation, Cat 1B H318 Eye Damage/Irritation, Cat 1 H335 STOT, SE; Respiratory Tract Irritation, Cat 3 H290 Metal Corrosion, Cat 1

**4. FIRST AID MEASURES****Eye Exposure:**

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. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

**Skin Exposure:**

Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

**Inhalation:**

Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.

**Ingestion:**

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. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

**Medical Conditions Possibly Aggravated by Exposure:**

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****Flash Point:**

&gt; 160 °F (71 °C) Closed Cup

**Auto-Ignition Temperature:**

Not determined.

**Flammable Limits:**

Not determined.

**Upper Flame Limit (volume % in air):** 10.5 @ 160 °C (Dimethylacetamide)**Upper Flame Limit (volume % in air):** 1.8 @ 100 °C (Dimethylacetamide)**Extinguishing Media:**

Use dry chemical, foam, carbon dioxide, or water spray.

**Special Fire Fighting Procedures:**

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.

**Unusual Fire and Explosion Hazards:**

Vapors can travel along surfaces to distant ignition sources and flash back. Vapors can spread along ground and collect in low confined areas. As with any organic material, contact with strong oxidizers may cause fire or explosion.

**6. ACCIDENTAL RELEASE MEASURES****Personal Protection:**

Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs.

**Spill Cleanup:**

Ventilate area. Remove sources of ignition. Isolate hazard area. Absorb spill with inert material (e.g. vermiculite, sand, earth or non-combustible absorbent material) and place in chemical waste container. Rinse the spill area with water. Prevent entry into sewers and waterways.

## 7. HANDLING AND STORAGE

**Handling:** Keep away from heat, sparks and flames. Keep container tightly closed when not in use. Avoid contact with skin, eyes and on clothing. Avoid breathing vapor or mist. Remove contaminated clothing and wash thoroughly after handling. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

**Storage:** Keep away from sources of ignition. Store in an area that is cool, dry, and well ventilated. Store in clean plastic containers. Residual vapors might explode on ignition; do not apply heat, cut, drill, and grind or weld on or near this container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical	CAS No.	EC No.	TLV (mg/m <sup>3</sup> )	PEL (mg/m <sup>3</sup> )
Dimethyl Acetamide	127-19-5	204-826-4	10 ppm (skin)	10 ppm (skin)

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

**Respiratory Protection:** Airborne concentrations should be kept to lowest levels possible. If vapor or mist is generated, appropriate personal protection equipment and local ventilation controls must be employed. 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 rubber gloves and body-covering protective clothing to prevent skin exposure.

**Eye Protection:** Wear appropriate safety glasses or chemical splash goggles and face shield where contact due to splashing or spraying is possible.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid

**Color:** Transparent

**Odor:** Slight Ammonia

**pH:** Not Determined

**Specific Gravity, g/cc** 0.96-1.03 @ 68 °F

**Water Solubility:** Soluble

**Boiling Point:** 329 °C

**Melting Point:** -4 °F

**Vapor Pressure:** 3.5 @ 77 °F

**Vapor Density (air=1):** 2.5

**Evaporation Rate:** 0.17 (compared to Butyl Acetate)

**Percent Volatiles:** 0.00%

## 10. STABILITY AND REACTIVITY

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

**Conditions to Avoid:** Avoid flame or other sources of ignition and incompatibles.

**Materials to Avoid:** Strong acids, strong oxidizers, strong reducing agents.

**Hazardous Decomposition Products:** Burning may produce nitrogen oxides, carbon monoxide, carbon dioxide, and dimethylamine.

**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure:

**Inhalation:** May cause drowsiness or dizziness. Harmful if inhaled.

**Skin Contact:** Prolonged skin contact may cause temporary irritation. Harmful in contact with skin.

**Eye Contact:** Direct contact with eyes may cause temporary irritation.

**Ingestion:** Ingestion may cause dizziness, nausea and vomiting.

### Information on Acute Toxicity:

Dimethylacetamide:

LD<sub>50</sub> (oral-rat): 4300 mg/kg

LD<sub>50</sub> (dermal-rabbit): 2200 mg/kg

LD<sub>50</sub> (inhalation-rat): 8.81 mg/L / 1 hr

<b>Acute Toxicity:</b>	Harmful by inhalation and in contact with skin.
<b>Skin Corrosion/Irritation:</b>	Not classified
<b>Eye Damage/Irritation:</b>	Not classified.
<b>Respiratory Sensitization:</b>	Not classified
<b>Skin Sensitization:</b>	Not a skin sensitizer
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
<b>Reproductive Toxicity:</b>	May cause harm to the unborn child.
<b>Specific Target Organ</b>	
<b>Toxicity Single Exposure:</b>	May cause damage to liver. Vapors may cause drowsiness and dizziness.
<b>Specific Target Organ</b>	
<b>Toxicity Repeat Exposure:</b>	May cause damage to the respiratory system through prolonged or repeated exposure.
<b>Aspiration Hazard:</b>	No classified.
<b>Chronic Effects:</b>	Not classified.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Aquatic Toxicity:</b>	LD <sub>50</sub> (fathead-minnow): 1.50 g/L / 96 hr
<b>Mobility:</b>	Not determined
<b>Persistence &amp; Biodegradability:</b>	Not determined
<b>Potential to Bioaccumulate:</b>	Not determined

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Dispose in accordance with federal, state and local regulations and permits.
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## 14. TRANSPORTATION INFORMATION

<b>DOT/IATA:</b>	Not regulated.
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## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

<b>CERCLA:</b>	Not listed.
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<b>TSCA:</b>	All ingredients of this material are listed on the TSCA inventory.
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### **SARA Title III**



<b>Sections 302, 304, 313:</b>	This product does not contain any substances reportable under these sections.
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### **Sections 311, 312:**

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

<b>International Inventory</b>	<b>Status</b>
Canada (DSL)	No
Europe (EINECS/ELINCS)	No
Australia (AICS)	No
Japan (MITI)	No
South Korea (KECL)	Yes

## 16. OTHER INFORMATION

NFPA Ratings (scale 0 – 4)	Health, 2 Flammability, 2 Reactivity, 0 Personal Protection, H	
HMIS Ratings (scale 0 – 4)	Health, 2 Flammability, 2 Reactivity, - Personal Protection, H	

### Key Legend Information

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

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