

**Trade name:** ArmaFlex 520 BLV Contact Adhesive

**Current version :** 2.0.2, issued: 13.12.2021

**Replaced version:** 2.0.1, issued: 25.08.2021

**Region:** USA

## SECTION 1: Identification

### 1.1 Product identifier

**Trade name**

**ArmaFlex 520 BLV Contact Adhesive**

### 1.2 Recommended use of the chemical and restrictions on use

**Recommended use of the chemical and restrictions on use**  
Adhesive

**Restrictions on use**  
No data available.

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

**Address**

Armacell LLC  
55 Vilcom Center Drive  
Suite 200  
Chapel Hill, NC 27514

Telephone no. +1 800 866 5638  
e-mail Kartik.a.patel@armacell.com

### 1.4 Emergency phone number

Armacell LLC  
+1 919 304 3846

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the chemical

**Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"**

Eye Irritation - Category 2A

Flammable Liquids - Category 2

Specific Target Organ Toxicity - Single Exposure - narcotic effects - Category 3

### 2.2 Label elements

**Pictogram(s)**



**Signal word**

Danger

**Hazard Statement(s)**

Physical hazards

Highly flammable liquid and vapor

Health hazards

Causes serious eye irritation

May cause drowsiness or dizziness

**Precautionary Statement(s)**

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/ lighting/equipment.

Use non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing gas/mist/vapours.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

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Response	<p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Call a poison center/doctor if you feel unwell.</p> <p>If eye irritation persists: Get medical advice/attention.</p> <p>In case of fire: Use carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, extinguishing powder, water mist to extinguish.</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.</p> <p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p>
Disposal	<p>Dispose of contents/container to a facility in accordance with local and national regulations.</p>

**2.3 Labelling information**

No data available

**2.4 Hazards not otherwise classified (HNOC)**

No data available

**SECTION 3: Composition / information on ingredients**

**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**

**Hazardous ingredients**

No	Substance name	Concentration	%
1	<b>ACETONE</b>		
	67-64-1	< 100.00	%-b.w.
2	<b>Talc</b>		
	14807-96-6	>= 5.00 - < 10.00	%-b.w.

**3.3 Other information**

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of 29 CFR 1910.1200

**SECTION 4: First-aid measures**

**4.1 Description of necessary first-aid measures**

**General information**

In case of allergic symptoms, especially respiratory tract related, seek medical help immediately. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Ensure supply of fresh air. Remove affected person from the immediate area. In the event of symptoms take medical treatment.

**After skin contact**

When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Begin with medical treatment.

**After ingestion**

Rinse mouth thoroughly with water. Do not induce vomiting.

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

**Symptoms**

Eye irritation; headaches; Coughing; May cause drowsiness or dizziness.

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If necessary, give oxygen

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Carbon dioxide; Dry chemical extinguisher; Foam

**Unsuitable extinguishing media**

Full water jet

**5.2 Specific hazards arising from the chemical**In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Exclude sources of ignition and ventilate the area. Do not inhale vapours.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Methods and materials for containment and cleaning up**

Pick up rest with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). When collected, handle material as described under the section heading "Disposal considerations".

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Precautions for safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary). Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and after work. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Provide eye wash fountain in work area. Hold emergency shower available.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Vapors may form explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**

Do not store together with: Oxidizing agents

**SECTION 8: Exposure controls / personal protection**

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## 8.1 Control parameters

### Occupational exposure limit(s)

No	Substance name	CAS no.
1	ACETONE	67-64-1
<b>ACGIH Threshold Limit Values</b>		
Acetone		
	STEL	500 ppm
	TWA	250 ppm
	Remarks	A4; BEI
<b>OSHA Permissible Exposure Limits (PELS)</b>		
Acetone		
	TWA	2400 mg/m <sup>3</sup> 1000 ppm
2	Talc	14807-96-6
<b>ACGIH Threshold Limit Values</b>		
Talc (containing no asbestos fibers)		
	TWA	2 (E, R) mg/m <sup>3</sup>
	Remarks	A4
<b>OSHA Permissible Exposure Limits (PELS)</b>		
Silicates (less than 1% crystalline silica): Talc (containing no asbestos), respirable dust		
	TWA	20 (i) mppcf
	Remarks	see annotated Z-3

## 8.2 Exposure controls

### Appropriate engineering controls

Provide good ventilation of working area (local exhaust ventilation if necessary).

### Individual protection measures, such as personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

#### Eye / face protection

Face shield

#### Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves. Appropriate Material rubber

#### Other protection measures

Chemical-resistant work clothes.

## SECTION 9: Physical and chemical properties

<b>Form/Color</b>
liquid
black
<b>Odor</b>
acetone-like
<b>Odor threshold</b>
No data available
<b>pH value</b>
No data available

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Boiling point / boiling range	
Value	> 35 °C

Melting point / melting range	
No data available	

Decomposition point / decomposition range	
No data available	

Flash point	
Value	< 23 °C

Auto-ignition temperature	
No data available	

Oxidising properties	
No data available	

Explosive properties	
The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use.	

Flammability	
No data available	

Lower flammability or explosive limits	
No data available	

Upper flammability or explosive limits	
No data available	

Vapor pressure	
No data available	

Vapor density	
No data available	

Evaporation rate	
No data available	

Relative density	
No data available	

Density	
No data available	

Solubility in water	
No data available	

Solubility(ies)	
No data available	

Partition coefficient: n-octanol/water	
No data available	

Viscosity	
No data available	

### Other information

Other information	
No data available.	

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

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**10.3 Possibility of hazardous reactions**

None, when used as directed.

**10.4 Conditions to avoid**

Heat, open flames and other sources of ignition.

**10.5 Incompatible materials**

Oxidizing agents

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information**
**Information on toxicological effects**
**Acute oral toxicity**

No data available

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**NTP Report on Carcinogens (RoC)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

**OSHA Standards listing cancer as a health effect (Table VII.6.2)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

The product contains following substance(s) classified by the IARC Monographs

No	Substance name	CAS no.	Group
1	Talc	14807-96-6	2B, 1, 3

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>
No data available

<b>Toxicity to fish (chronic)</b>
No data available

<b>Toxicity to Daphnia (acute)</b>
No data available

<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>
No data available

<b>Toxicity to algae (chronic)</b>
No data available

### 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 Other adverse effects

No data available.

### 12.6 Other information

<b>Other information</b>
Do not discharge product unmonitored into the environment.
Do not discharge into drains or waters and do not dispose of in public landfills.

## SECTION 13: Disposal considerations

### 13.1 Disposal considerations

**Product**

Dispose in accordance with federal, state and local regulations.

## SECTION 14: Transport information

### 14.1 US DOT (Department of Transportation)

Transport hazard class	3
Packaging group	II
UN/NA number	UN1133
UN proper shipping name	Adhesives
Label code(s)	3

### 14.2 Transport IMDG

Class	3
Packaging group	II
UN number	UN1133
Proper shipping name	ADHESIVES
EmS	F-E, S-D
Label	3

### 14.3 Transport ICAO-TI / IATA

Class	3
Packaging group	II

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UN number	UN1133
Proper shipping name	Adhesives
Label	3

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

**SECTION 15: Regulatory information**
**15.1 US Federal Regulations**
**Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)**

The product contains following substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities"

No	Substance name	CAS no.
1	ACETONE	67-64-1

**Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Air Pollutants".

**Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

**EPCRA SARA Section 313, Toxic Chemical Release Inventory**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to "SARA Reporting".

**Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

**Clean Air Act (CAA) - Section 602 Ozone depleting substances**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

**15.2 US State Regulations**
**Pennsylvania State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	ACETONE	67-64-1
2	Talc	14807-96-6

**New Jersey State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.
1	ACETONE	67-64-1
2	Talc	14807-96-6

**Massachusetts State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered to be "Hazardous Substances".



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No	Substance name	CAS no.
1	ACETONE	67-64-1

#### California Code of Regulations Title 8 §339, Hazardous Substances List

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered to be "Hazardous Substances".

#### Right to Know - California State - Proposition 65

The product contains following substance(s) that are considered to be "Hazardous Substances".

No	Substance name	CAS no.	type of toxicity
1	4-Vinylcyclohexen	100-40-3	cancer, female
2	ACRYLONITRILE	107-13-1	cancer
3	buta-1,3-diene	106-99-0	cancer, developmental, female, male

### 15.3 Further regulations

According to the information available to the supplier of the data sheet, this product contains no ingredients listed in the Red List of the Living Building Challenge.

## SECTION 16: Other information, including date of preparation or last revision

### 16.1 Other information

Authors responsible for the compilation of the material safety data sheet: UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de.

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.

### 16.2 Date of preparation/revision of the SDS

Current version	2.0.2	13.12.2021
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### 16.4 Conclusions

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Prod-ID 768332

### 16.5 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists  
 ATE – Acute Toxicity Estimate  
 BOD - Biochemical Oxygen Demand  
 CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania  
 CAS - Chemical Abstracts Service  
 CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
 CFR - Code of Federal Regulations (US)  
 CLP - Classification, Labelling, and Packaging  
 DOT - Department of Transportation Commission  
 ECHA – European Chemicals Agency  
 EC / EL – Effective Concentration / Effective Loading  
 EPA - Environmental Protection Agency  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IBC – Intermediate Bulk Container  
 ICAO - International Civil Aviation Organization  
 IDL - Ingredient Disclosure List  
 IDLH - Immediately Dangerous to Life and Health  
 IMDG - International Maritime Dangerous Goods  
 IUCLID - International Uniform Chemical Information Database  
 Kow - Octanol/water partition coefficient  
 LD/LC - Lethal Dose/ Lethal Concentration  
 MARPOL – Marine Pollution

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MEL - Maximum Exposure Limits  
NFPA - National Fire Protection Agency  
NIOSH - National Institute for Occupational Safety and Health  
NJTSR - New Jersey Trade Secret Registry  
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PEL- Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short-term Exposure Limit  
STOT – Specific Target Organ Toxicity  
TDG - Transportation of Dangerous Goods  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
UN/NA - United Nations /North American  
US - United States  
VLE - Exposure Limit Value (Mexico)  
VOC – Volatile Organic Compounds