

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/07/2024

Reviewed on 05/07/2024

* 1 Identification

- **Product Identifier**
- **Trade Name: ADCOS PURSWELL**
- **Relevant identified uses of the substance or mixture and uses advised against:**
Only for professional use.
- **Product Description:** Sealant
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
ADCOS LLC
2131 SE 15th Place
Cape Coral, FL 33990
P: 6037700351
info@adcosusa.com
- **Emergency telephone number:** 603-770-0351

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Sensitization - Respiratory 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Diphenylmethanediisocyanate, isomeres and homologues
- **Hazard statements:**
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- **Precautionary statements:**
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
1 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

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· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

· **Hazard(s) not otherwise classified (HNOC):** None known

* 3 Composition/Information on Ingredients

- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:		
CAS: 108-32-7 RTECS: FF 9650000	Propylene carbonate ⚠ Eye Irritation 2A, H319	1-3%
CAS: 9016-87-9 RTECS: TR 0320000	Diphenylmethanediisocyanate, isomeres and homologues Consisting of: 101-68-8 4,4'-methylenediphenyl diisocyanate (40%) ⚠ Sensitization - Respiratory 1, H334; Specific Target Organ Toxicity - Repeated Exposure 2, H373; ⚠ Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335 Specific concentration limits: Eye Irritation 2; H319: C ≥ 5 % Skin Irritation 2; H315: C ≥ 5 % Sensitization - Respiratory 1; H334: C ≥ 0.1 % Specific Target Organ Toxicity - Single Exposure 3; C ≥ 5 %	0.1-1%

· **Additional information:**
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

* 4 First-Aid Measures

- **Description of first aid measures**
- **General information:** If symptoms persist, call a physician.
- **After inhalation:**
Effects may be delayed. Remove from exposure. Remove contaminated clothing and loosen remaining clothing. Seek medical attention of symptoms persist.
- **After skin contact:**
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
- **After eye contact:**
If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
- **After swallowing:** Rinse mouth with water. Do NOT induce vomiting. Get medical attention.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.

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- **Special hazards arising from the substance or mixture:**
Carbon oxides (Cox), Nitrogen oxides (NOx), hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* **6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:**
Avoid contact with the skin and eyes. Avoid breathing vapor or mist.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

· PAC-1:		
108-32-7	Propylene carbonate	34 mg/m ³
9016-87-9	Diphenylmethanediisocyanate, isomeres and homologues	0.15 mg/m ³
· PAC-2:		
108-32-7	Propylene carbonate	370 mg/m ³
9016-87-9	Diphenylmethanediisocyanate, isomeres and homologues	3.6 mg/m ³
· PAC-3:		
108-32-7	Propylene carbonate	2,200 mg/m ³
9016-87-9	Diphenylmethanediisocyanate, isomeres and homologues	22 mg/m ³

* **7 Handling and Storage**

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid contact with skin, eyes and clothing.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well-ventilated place. Keep out of sunlight. Store away from food. Store from incompatible materials.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

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* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Safety glasses with side shields

- **Body protection:**



Protective work clothing

- **Limitation and supervision of exposure into the environment:** None

* 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Paste
Color:	Variable
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
- **Change in condition**

Melting point/Melting range:	Not determined.
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- **Boiling point/Boiling range:** Not determined.
- **Flash point:** None
- **Flammability (solid, gaseous):** Not applicable.
- **Auto igniting:** Not applicable
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** 1.5 Vol %
- **Vapor pressure:** Not determined.
- **Density @ 20 °C (68 °F):** 1.44 g/cm³ (12.0168 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - **Water:** Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**
 - **VOC content:** 2.95 %
- **Other information:** No further relevant information available.

* 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Elevated temperatures and sources of ignition.
- **Incompatible materials:** Oxidizing agents
- **Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

* 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
108-32-7 Propylene carbonate		
Oral	LD50	29,000 mg/kg (Rat)
9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues		
Oral	LD50 Oral	>10,000 ml/kg (Rat)

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Trade Name: ADCOS PURSWELL

Dermal	LD50	>9,400 mg/kg (rabbit)
<ul style="list-style-type: none"> · Primary irritant effect: · On the skin: No irritating effect. · On the eye: No irritating effect. · Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact. · Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant · Carcinogenic categories: 		
<ul style="list-style-type: none"> · IARC (International Agency for Research on Cancer): 		
9016-87-9	Diphenylmethanediisocyanate, isomeres and homologues	3
<ul style="list-style-type: none"> · NTP (National Toxicology Program): None of the ingredients are listed. 		
<ul style="list-style-type: none"> · OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients are listed. 		

* 12 Ecological Information

<ul style="list-style-type: none"> · Toxicity: 		
<ul style="list-style-type: none"> · Aquatic toxicity: 		
9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues		
EC50	>1,000 mg/l (Daphnia)	
	>10,000 mg/l (Zebra fish)	

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

* 13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport Information

- **UN-Number:**
· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **UN proper shipping name:**
· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **Transport hazard class(es):**
· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **Class:** Non-Regulated Material
- **Packing group:**
· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

* 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues

· **New Jersey Special Hazardous Substance List:**

None of the ingredients are listed.

· **Pennsylvania Right-to-Know List:**

None of the ingredients are listed.

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· Pennsylvania Special Hazardous Substance List:
None of the ingredients are listed.

 · **Carcinogenic categories:**

· EPA (Environmental Protection Agency):	
9016-87-9 Diphenylmethanediisocyanate, isomeres and homologues	CBD

 · **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

 · **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

 · **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

 · **Hazard pictograms:**

 · **Signal word:** Danger

 · **Hazard-determining components of labeling:**

Diphenylmethanediisocyanate, isomeres and homologues

 · **Hazard statements:**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

 · **Precautionary statements:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P284 [In case of inadequate ventilation] wear respiratory protection.

P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

 · **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

 · **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

 · **Contact:**

 · **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Toxicity - Inhalation 4: Acute toxicity – Category 4

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Respiratory 1: Respiratory sensitisation – Category 1

Sensitization - Skin 1: Skin sensitisation – Category 1

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

*** Data compared to the previous version altered.**

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