

CONAP® AD-1147-1 Adhesive Primer

Version 2

Revision Date 12/07/2017

Print Date 12/07/2017

SECTION 1. IDENTIFICATION

Product name : CONAP® AD-1147-1 Adhesive Primer

Manufacturer or supplier's details

 Company : ELANTAS PDG, INC.
 5200 North 2nd Street
 St. Louis MO 63147
 Telephone : (314) 621-5700
 Visit our web site : www.elantas.com
 E-mail address : Todd.Thomas@altana.com
 Emergency telephone number : INFOTRAC - 1-800-535-5053

Recommended use of the chemical and restrictions on use

Recommended use : Adhesive

Restrictions on use : Refer to Section 15 for any restrictions that may apply

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification

 Flammable liquids : Category 2
 Skin irritation : Category 2
 Eye irritation : Category 2A
 Skin sensitisation : Category 1
 Germ cell mutagenicity : Category 2
 Carcinogenicity (Inhalation) : Category 2
 Reproductive toxicity : Category 2
 Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
 Specific target organ toxicity - repeated exposure : Category 2

GHS label elements

Hazard pictograms :



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Signal word	: Danger
Hazard statements	: H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	: Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P233 Store in a well-ventilated place. Keep container

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tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
Disposal:
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Modified Phenolic Resin Solution

Hazardous components

Component	CAS-No.	Concentration (%)
Toluene	108-88-3	>= 33 - < 34
Isopropanol	67-63-0	>= 32 - < 33
Ethanol	64-17-5	>= 6 - < 7
Phenol	108-95-2	>= 1 - < 2
Organosilane	4420-74-0	>= 0.1 - < 1
Cobalt Dye	71566-55-7	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
 If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.
 If on skin, rinse well with water.
 If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
 Remove contact lenses.
 Protect unharmed eye.
 Keep eye wide open while rinsing.
 If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.

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Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
 Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam
 Carbon dioxide (CO₂)
 Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
 For safety reasons in case of fire, cans should be stored separately in closed containments.
 Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
 Ensure adequate ventilation.
 Remove all sources of ignition.
 Evacuate personnel to safe areas.
 Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.
 Prevent further leakage or spillage if safe to do so.
 If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

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- Advice on safe handling** :
- Avoid formation of aerosol.
 - Do not breathe vapours/dust.
 - Avoid exposure - obtain special instructions before use.
 - Avoid contact with skin and eyes.
 - For personal protection see section 8.
 - Smoking, eating and drinking should be prohibited in the application area.
 - Take precautionary measures against static discharges.
 - Provide sufficient air exchange and/or exhaust in work rooms.
 - Open drum carefully as content may be under pressure.
 - Dispose of rinse water in accordance with local and national regulations.
 - Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Conditions for safe storage** :
- Store under conditions specified on the product Technical Data Sheet to maintain product quality.
 - No smoking.
 - Keep container tightly closed in a dry and well-ventilated place.
 - Containers which are opened must be carefully resealed and kept upright to prevent leakage.
 - Observe label precautions.
 - Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Toluene	108-88-3	TWA	20 ppm	ACGIH
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
		TWA	100 ppm 375 mg/m ³	OSHA P0
		STEL	150 ppm 560 mg/m ³	OSHA P0
Isopropanol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m ³	OSHA Z-1
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1

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		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
		STEL	1,000 ppm	ACGIH
Phenol	108-95-2	TWA	5 ppm	ACGIH
		TWA	5 ppm 19 mg/m3	OSHA Z-1
		TWA	5 ppm 19 mg/m3	OSHA P0

Engineering measures : Use with adequate ventilation.
 All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)
 Formaldehyde may be released during the curing process. Formaldehyde is a suspected human carcinogen and a skin and respiratory sensitizer. Prolonged or repeated exposure to vapors may result in respiratory impairment and/or liver, kidney or heart effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection

Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

: Impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
 Odour Threshold : No data available
 pH : No data available
 Melting point/freezing point : No data available

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	: 180 °F (82 °C) Method: Information taken from reference works and the literature.
Vapour pressure	: No data available
Flash point	: 39 °F (4 °C) Method: closed cup
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Relative vapour density	: No data available
Relative Density/Specific Gravity	: No data available
Density	: 0.9 g/cm ³ (77 °F (25 °C))
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 22 mm ² /s (104 °F (40 °C))

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.

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Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Hazardous decomposition products : Carbon monoxide in a fire.
Nitrogen oxides in a fire.
formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure
Acute toxicity
Product:

Acute oral toxicity : Acute toxicity estimate : 3,175 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 161.2 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg
Method: Calculation method

Components:
108-88-3 Toluene:

Acute oral toxicity : LD50 (Rat): 2,600 mg/kg

67-63-0 Isopropanol:

Acute oral toxicity : LD50 (Rat): 5,840 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 12,800 mg/kg

64-17-5 Ethanol:

Acute oral toxicity : LD50 (Rat): 7,060 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 20,000 mg/kg

4420-74-0 Organosilane:

Acute oral toxicity : LD50 (Rat): 772 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 2,262 mg/kg

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Skin corrosion/irritation**Product:**

Remarks: May cause skin irritation and/or dermatitis.

Components:**67-63-0 Isopropanol:**

Species: Rabbit

Result: Moderate skin irritation

64-17-5 Ethanol:

Species: Rabbit

Result: Moderate skin irritation

108-95-2 Phenol:

Species: Rabbit

Exposure time: 24.00 h

Method: Draize Test

Result: Severe skin irritation

4420-74-0 Organosilane:

Species: Rabbit

Result: Mild skin irritation

Serious eye damage/eye irritation**Product:**

Remarks: May cause irreversible eye damage.

Components:**67-63-0 Isopropanol:**

Species: Rabbit

Result: Eye irritation

64-17-5 Ethanol:

Species: Rabbit

Result: Eye irritation

108-95-2 Phenol:

Species: Rabbit

Result: Severe eye irritation

Method: Draize Test

Respiratory or skin sensitisation**Product:**

Remarks: Causes sensitisation.

Components:

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67-63-0 Isopropanol:

Test Type: Buehler Test

Exposure routes: Dermal

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Does not cause skin sensitisation.

GLP: yes

Carcinogenicity

IARC	Group 2B: Possibly carcinogenic to humans	
	Cobalt Dye	71566-55-7
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.	
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	

Further information**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****108-95-2 Phenol:**

Toxicity to fish

: LC50 (Lepomis macrochirus (Bluegill sunfish)): 12 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

LC50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l
 Exposure time: 168 h

LC50 (Oryzias latipes (Orange-red killifish)): 28 mg/l
 Exposure time: 48 h
 Test Type: static test

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Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

: WC: A

EPA Hazardous Waste Code(s)

: D001: Ignitable

Waste from residues

: Do not dispose of waste into sewer.
 Do not contaminate ponds, waterways or ditches with chemical or used container.
 Send to a licensed waste management company.

Contaminated packaging

: Empty remaining contents.
 Dispose of as unused product.
 Do not re-use empty containers.
 Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**International Regulations****IATA-DGR**

UN/ID No. : UN 1133

Proper shipping name : Adhesives

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Class : 3
 Packing group : II
 Labels : Flammable liquid
 Packing instruction (cargo aircraft) : 364
 Packing instruction (passenger aircraft) : 353

IMDG-Code

UN number : UN 1133
 Proper shipping name : ADHESIVES
 Class : 3
 Packing group : II
 Labels : 3
 EmS Code : F-E, S-D
 Marine pollutant : no

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

Not applicable for product as supplied.

National Regulations**49 CFR**

UN/ID/NA number : UN 1133
 Proper shipping name : Adhesives
 Class : 3
 Packing group : II
 Labels : Flammable liquid
 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know Act****US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Toluene	108-88-3	1,000	2,985

SARA 304 - Emergency Release Notification

Calculated RQ exceeds reasonably attainable upper limit.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying

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and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

SARA 302

: The following components are subject to reporting levels established by SARA Title III, Section 302:

Phenol	108-95-2	1.8 %
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SARA 313

: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Toluene	108-88-3	33.5 %
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Isopropanol	67-63-0	32.8 %
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Phenol	108-95-2	1.8 %
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Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Toluene	108-88-3	33.5 %
Phenol	108-95-2	1.8 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489):

Toluene	108-88-3	33.5 %
Isopropanol	67-63-0	32.8 %
Ethanol	64-17-5	6.6 %
Phenol	108-95-2	1.8 %

Non-volatile (Wt) : Refer to the product technical data sheet for VOC information.

US State Regulations**Massachusetts Right To Know**

Toluene	108-88-3
Isopropanol	67-63-0
Ethanol	64-17-5
Phenol	108-95-2
Formaldehyde	50-00-0

Pennsylvania Right To Know

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Toluene	108-88-3
Isopropanol	67-63-0
Polyvinyl Butyral	63148-65-2
Phenol-formaldehyde polymer	9003-35-4
Ethanol	64-17-5
Phenol	108-95-2
Methanol	67-56-1
Formaldehyde	50-00-0

New Jersey Right To Know

Toluene	108-88-3
Isopropanol	67-63-0
Polyvinyl Butyral	63148-65-2
Phenol-formaldehyde polymer	9003-35-4
Ethanol	64-17-5
Phenol	108-95-2
Methanol	67-56-1
Cobalt Dye	71566-55-7

New Jersey Trade Secret Registry Number for the product (NJ TSRN) : Not Applicable

California Prop 65

	WARNING! This product contains a chemical known to the State of California to cause cancer.
Formaldehyde	50-00-0
	WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Toluene	108-88-3
Methanol	67-56-1

The components of this product are reported in the following inventories:

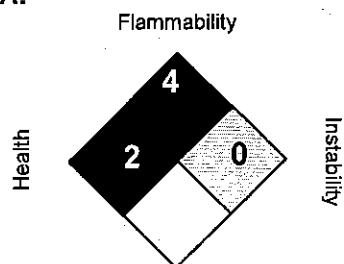
TSCA	: We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).
Section 4 / 12(b)	: Not applicable
Section 5	: Not applicable
DSL	: We certify that all of the components of this product are listed on the DSL.

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SECTION 16. OTHER INFORMATION
Further information
NFPA:


Special hazard.

HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.