

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**SECTION 1. IDENTIFICATION**

Product name : CONAP® PR-1167 Urethane 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](http://www.elantas.com)E-mail address : [Todd.Thomas@altana.com](mailto:Todd.Thomas@altana.com)Emergency telephone : INFOTRAC - 1-800-535-5053  
number**Recommended use of the chemical and restrictions on use**

Recommended use : Primer

Restrictions on use : This product is for industrial use only. It is not intended for consumer use or retail sale.  
Refer to Section 15 for any restrictions that may apply**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Respiratory sensitisation : Category 1

Skin sensitisation : Category 1

Carcinogenicity : Category 2

Reproductive toxicity : Category 2

Specific target organ toxicity : Category 3 (Respiratory system, Central nervous system)  
- single exposureSpecific target organ toxicity : Category 2  
- repeated exposure**GHS label elements**

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H351 Suspected of causing cancer.  
 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.  
 P285 In case of inadequate ventilation wear respiratory 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/


**Chemical Concepts**<sup>TM</sup>  
 Our expertise is your solution.  
[chemical-concepts.com](http://chemical-concepts.com)  
**800.220.1966**  
410 Pike Road • Huntingdon Valley, PA 19006

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

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 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 : Isocyanate Prepolymer Solution

**Hazardous components**

Component	CAS-No.	Concentration (%)
Aromatic polyisocyanate-prepolymer	67815-87-6	>= 45 - < 46
Solvent naphtha, petroleum, light aromatic	64742-95-6	>= 13 - < 14
m-xylene	108-38-3	>= 9 - < 10
Isocyanates	101-68-8	>= 9 - < 10
1,2,4-Trimethylbenzene	95-63-6	>= 6 - < 7
Polymeric MDI	9016-87-9	>= 4 - < 5
p-xylene	106-42-3	>= 4 - < 5
Ethyl benzene	100-41-4	>= 3 - < 4
o-xylene	95-47-6	>= 2 - < 3
Methylenediphenyl diisocyanate	26447-40-5	>= 1 - < 2
Xylene	1330-20-7	>= 0.1 - < 1
Cumene	98-82-8	>= 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.

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

- Do not leave the victim unattended.
- If inhaled : Call a physician or poison control centre immediately.  
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.  
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 (CO<sub>2</sub>)  
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.

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

- 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**

- 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	Control parameters /	Basis

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

		exposure)	Permissible concentration	
m-xylene	108-38-3	TWA	100 ppm 435 mg/m <sup>3</sup>	NIOSH REL
m-xylene		ST	150 ppm 655 mg/m <sup>3</sup>	NIOSH REL
m-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
m-xylene		STEL	150 ppm 655 mg/m <sup>3</sup>	OSHA P0
m-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
m-xylene		TWA	100 ppm	ACGIH
m-xylene		STEL	150 ppm	ACGIH
Isocyanates	101-68-8	TWA	0.005 ppm	ACGIH
Isocyanates		C	0.02 ppm 0.2 mg/m <sup>3</sup>	OSHA Z-1
1,2,4-Trimethylbenzene	95-63-6	TWA	25 ppm 123 mg/m <sup>3</sup>	ACGIH
Polymeric MDI	9016-87-9	C	0.02 ppm 0.2 mg/m <sup>3</sup>	OSHA Z-1
Polymeric MDI		C	0.02 ppm 0.2 mg/m <sup>3</sup>	OSHA P0
Polymeric MDI		TWA	0.005 ppm 0.05 mg/m <sup>3</sup>	NIOSH REL
Polymeric MDI		C	0.02 ppm 0.2 mg/m <sup>3</sup>	NIOSH REL
p-xylene	106-42-3	TWA	100 ppm 435 mg/m <sup>3</sup>	NIOSH REL
p-xylene		ST	150 ppm 655 mg/m <sup>3</sup>	NIOSH REL
p-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
p-xylene		STEL	150 ppm 655 mg/m <sup>3</sup>	OSHA P0
p-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
p-xylene		TWA	100 ppm	ACGIH
p-xylene		STEL	150 ppm	ACGIH
Ethyl benzene	100-41-4	TWA	20 ppm	ACGIH
Ethyl benzene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
Ethyl benzene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
Ethyl benzene		STEL	125 ppm 545 mg/m <sup>3</sup>	OSHA P0
o-xylene	95-47-6	TWA	100 ppm 435 mg/m <sup>3</sup>	NIOSH REL
o-xylene		ST	150 ppm 655 mg/m <sup>3</sup>	NIOSH REL

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

o-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
o-xylene		STEL	150 ppm 655 mg/m <sup>3</sup>	OSHA P0
o-xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
o-xylene		TWA	100 ppm	ACGIH
o-xylene		STEL	150 ppm	ACGIH
Methylenediphenyl diisocyanate	26447-40-5	C	0.02 ppm 0.2 mg/m <sup>3</sup>	OSHA Z-1
Methylenediphenyl diisocyanate		C	0.02 ppm 0.2 mg/m <sup>3</sup>	OSHA P0
Xylene	1330-20-7	TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA Z-1
Xylene		STEL	150 ppm 655 mg/m <sup>3</sup>	OSHA P0
Xylene		TWA	100 ppm 435 mg/m <sup>3</sup>	OSHA P0
Xylene		TWA	100 ppm	ACGIH
Xylene		STEL	150 ppm	ACGIH
Cumene	98-82-8	TWA	50 ppm	ACGIH
Cumene		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA Z-1
Cumene		TWA	50 ppm 245 mg/m <sup>3</sup>	OSHA P0

Hazardous components without workplace control parameters

**Engineering measures** : Use with adequate ventilation.  
 All application areas should be ventilated in accordance with applicable OSHA regulations. (e.g. 29 CFR 1910.94)  
 Isocyanates may be released during the curing process.  
 Repeated overexposure to isocyanates can cause respiratory tract sensitization.

**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.

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

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

Initial boiling point and boiling range : No data available

Vapour pressure : No data available

Flash point : 81 °F (27 °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 : 1.0197 g/cm<sup>3</sup> (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

Ignition temperature : No data available

Thermal decomposition : No data available



**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Viscosity  
Viscosity, dynamic : No data available

Viscosity, kinematic : > 21 mm<sup>2</sup>/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.

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.  
Isocyanates

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

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

Acute inhalation toxicity : Acute toxicity estimate : 3.65 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 4,982 mg/kg  
Method: Calculation method

**Components:****64742-95-6 Solvent naphtha, petroleum, light aromatic:**

Acute oral toxicity : LD50 (Rat): > 4,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 3670 ppm  
Exposure time: 4 h

Acute dermal toxicity : LD50 (Rabbit): > 3,480 mg/kg

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**108-38-3 m-xylene:**

Acute oral toxicity : LD50 (Rat): 4,988 mg/kg

Acute inhalation toxicity : LC50 (Mouse): 5267 ppm  
Exposure time: 6.00 h

Acute dermal toxicity : LD50 (Rabbit): 14.1 mg/kg

**101-68-8 Isocyanates:**

Acute oral toxicity : LD50 (Rat): 2,200 mg/kg

LD50 (Rat, male and female): > 2,000 mg/kg  
Method: Tested according to Annex V of Directive  
67/548/EEC.  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): 178 mg/l

LC50 (Rat, male): 1.5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : (Rabbit): &gt; 10,000 mg/kg

**95-63-6 1,2,4-Trimethylbenzene:**

Acute oral toxicity : LD50 (Rat): 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 18000 ppm  
Exposure time: 4.00 h**9016-87-9 Polymeric MDI:**Acute oral toxicity : LD50 (Rat, male and female): > 10.000 mg/kg  
Method: OECD Test Guideline 401Acute inhalation toxicity : LC50 (Rat, male and female): 0.31 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: Harmful by inhalation.Acute dermal toxicity : LD50 (Rabbit, male and female): > 9,400 mg/kg  
Method: OECD Test Guideline 402**106-42-3 p-xylene:**

Acute oral toxicity : LD50 (Rat): 3,910 mg/kg

Acute inhalation toxicity : LC50 (Rat): 4550 ppm  
Exposure time: 4.00 h

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Acute dermal toxicity : Remarks: No data available

**100-41-4 Ethyl benzene:**

Acute oral toxicity : LD50 (Rat): 3,500 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 5,510 mg/kg

**95-47-6 o-xylene:**

Acute oral toxicity : LD50 (Rat): 3,567 mg/kg

Acute inhalation toxicity : LC50 (Mouse): 4595 ppm  
Exposure time: 6.00 h

Acute dermal toxicity : Remarks: No data available

**26447-40-5 Methylenediphenyl diisocyanate:**

Acute oral toxicity : LD50 (Rat): 15,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 490 ppm

Acute dermal toxicity : LD50 : Remarks: No data available

**1330-20-7 Xylene:**Acute oral toxicity : LD50 (Rat): 4,300 mg/kg  
Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral)  
GLP: noAcute inhalation toxicity : LC50 (Rat): 5000 ppm  
Exposure time: 4 hAcute dermal toxicity : LD50 (Rabbit): 1,700 mg/kg  
LD50 (Rabbit): > 4,200 mg/kg  
GLP: No information available.**98-82-8 Cumene:**

Acute oral toxicity : LD50 (Rat): 1,400 mg/kg

Acute inhalation toxicity : LC50 : Remarks: No data available

Acute dermal toxicity : LD50 : Remarks: No data available

**Skin corrosion/irritation****Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:****64742-95-6 Solvent naphtha, petroleum, light aromatic:**

Species: Rabbit

Result: Moderate skin irritation

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**108-38-3 m-xylene:**

Species: Rabbit

Exposure time: 24.00 h

Result: Severe skin irritation

**101-68-8 Isocyanates:**

Species: Rabbit

Result: Mild skin irritation

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

GLP: yes

**9016-87-9 Polymeric MDI:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: slight irritation

**106-42-3 p-xylene:**

Remarks: No data available

**100-41-4 Ethyl benzene:**

Species: Rabbit

Result: Moderate skin irritation

**95-47-6 o-xylene:**

Remarks: No data available

**1330-20-7 Xylene:**

Species: Rabbit

Result: Moderate skin irritation

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

Remarks: May cause irreversible eye damage.

**Components:****64742-95-6 Solvent naphtha, petroleum, light aromatic:**

Species: Rabbit

Result: Eye irritation

**108-38-3 m-xylene:**

Species: Rabbit

Result: Severe eye irritation

Exposure time: 24.00 h

Method: Draize Test

**101-68-8 Isocyanates:**

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Species: Rabbit  
Result: Moderate eye irritation  
Method: Draize Test

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405

**9016-87-9 Polymeric MDI:**

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405

**106-42-3 p-xylene:**

Remarks: No data available

**100-41-4 Ethyl benzene:**

Species: Rabbit  
Result: Moderate eye irritation

**95-47-6 o-xylene:**

Remarks: No data available

**1330-20-7 Xylene:**

Species: Rabbit  
Result: Eye irritation

**Respiratory or skin sensitisation****Product:**

Remarks: Causes sensitisation.

**Components:****64742-95-6 Solvent naphtha, petroleum, light aromatic:**

Test Type: Maximisation Test  
Exposure routes: Dermal  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

**101-68-8 Isocyanates:**

Species: Guinea pig  
Method: Draize Test  
Result: Causes sensitisation.

Test Type: Buehler Test  
Exposure routes: Dermal  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.  
GLP: yes

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**9016-87-9 Polymeric MDI:**

Test Type: Maximisation Test

Exposure routes: Skin contact

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Result: negative

Test Type: Mouse Local Lymph Node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Assessment: May cause sensitisation by skin contact.

Method: OECD Test Guideline 429

Result: positive

Exposure routes: intratracheal

Species: Rat

Assessment: May cause sensitisation by inhalation.

Result: positive

**Germ cell mutagenicity****Components:****101-68-8 Isocyanates:**

Genotoxicity in vitro : Test Type: Ames test  
Test species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Test species: Rat (male)  
Application Route: Inhalation  
Exposure time: 3x1 h/ day over 3 weeks  
Method: OECD Test Guideline 474  
Result: negative

Germ cell mutagenicity-  
Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

**9016-87-9 Polymeric MDI:**

Genotoxicity in vitro : Test Type: Ames test  
Test species: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Test species: Rat (male)  
Application Route: Inhalation  
Exposure time: 3x1h/day over 3 weeks)

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Method: OECD Test Guideline 474

Result: negative

Germ cell mutagenicity-  
Assessment : In vitro tests did not show mutagenic effects, In vivo tests did not show mutagenic effects

**Carcinogenicity**
**Components:**
**101-68-8 Isocyanates:**

Species: Rat, (male and female)

Exposure time: 2 hrs

Dose: 0 - 0,2 - 1 - 6 mg/m<sup>3</sup>

Frequency of Treatment: 6 hours/ day, 5 days/ week

Method: OECD Test Guideline 453

Carcinogenicity -  
Assessment : Suspected of causing cancer if inhaled.

**9016-87-9 Polymeric MDI:**

Species: Rat, (male and female)

Application Route: Inhalation

Exposure time: 2 h

Dose: 0 - 0,2 - 1 - 6 mg/m<sup>3</sup>

Frequency of Treatment: 6 hours/day, 5 days/week

Method: OECD Test Guideline 453

Test substance: see user defined free text

Carcinogenicity -  
Assessment : Suspected of causing cancer if inhaled.

**IARC**

Group 2B: Possibly carcinogenic to humans

Ethyl benzene 100-41-4

Cumene 98-82-8

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

Reasonably anticipated to be a human carcinogen

Cumene 98-82-8

**Reproductive toxicity**
**Components:**
**101-68-8 Isocyanates:**
Effects on foetal  
development: Species: Rat, female  
Application Route: Inhalation

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Dose: 0 - 1 - 4 - 12 mg/m<sup>3</sup>  
12 mg/m<sup>3</sup>  
4 mg/m<sup>3</sup>  
Number of exposures: 6 hours/day  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met. Did not show teratogenic effects in animal experiments.

**9016-87-9 Polymeric MDI:**

Effects on foetal development

: Species: Rat, female  
Application Route: Inhalation  
Exposure time: 20 days  
Dose: 0 - 1 - 4 - 12 mg/m<sup>3</sup>  
12 mg/m<sup>3</sup>  
4 mg/m<sup>3</sup>  
Number of exposures: 6 hours/day (Exposure duration  
Method: OECD Test Guideline 414

Reproductive toxicity - Assessment : Based on available data, the classification criteria are not met. Did not show teratogenic effects in animal experiments.

**STOT - single exposure****Components:****101-68-8 Isocyanates:**

Exposure routes: Inhalation  
Target Organs: Respiratory Tract  
Assessment: May cause respiratory irritation.

**9016-87-9 Polymeric MDI:**

Exposure routes: Inhalation  
Target Organs: Respiratory organs  
Assessment: May cause respiratory irritation.

**STOT - repeated exposure****Components:****101-68-8 Isocyanates:**

Exposure routes: Inhalation  
Target Organs: Respiratory Tract  
Assessment: May cause damage to organs through prolonged or repeated exposure.

**9016-87-9 Polymeric MDI:**

Exposure routes: Inhalation  
Target Organs: Respiratory Tract  
Assessment: May cause damage to organs through prolonged or repeated exposure.

**Repeated dose toxicity****Components:**



**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**101-68-8 Isocyanates:**

Species: Rat, male and female

NOAEL: 0,2 mg/m<sup>3</sup>

Application Route: Inhalation

Exposure time: 2 hrs

Number of exposures: 6 hours/ day, 5 days/ week

Dose: 0 - 0,2 - 1 - 6 mg/m<sup>3</sup>

Method: OECD Test Guideline 453

Target Organs: Lungs, Nasal inner lining

Repeated dose toxicity - Assessment : Harmful if inhaled., The product causes irritation of eyes, skin and mucous membranes.

**9016-87-9 Polymeric MDI:**

Species: Rat, male and female

NOAEL: 0,2 mg/m<sup>3</sup>

Application Route: Inhalation

Exposure time: 2 h

Number of exposures: 6 hours a day, 5 days a week

Dose: 0 - 0,2 - 1 - 6 mg/m<sup>3</sup>

Method: OECD Test Guideline 453

Repeated dose toxicity - Assessment : Harmful if inhaled., The product causes irritation of eyes, skin and mucous membranes.

**Aspiration toxicity****Components:****64742-95-6 Solvent naphtha, petroleum, light aromatic:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**101-68-8 Isocyanates:**

No aspiration toxicity classification

**9016-87-9 Polymeric MDI:**

No aspiration toxicity classification

**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**

No data available

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**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) : none

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 1263

Proper shipping name : Paint

Class : 3

Packing group : III

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Labels : Flammable Liquids  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

**IMDG-Code**

UN number : UN 1263  
 Proper shipping name : PAINT  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-E  
 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 1263  
 Proper shipping name : Paint  
 Class : 3  
 Packing group : III  
 Labels : FLAMMABLE LIQUID  
 ERG Code : 128  
 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)
p-xylene	106-42-3	100	2500

**SARA 304 - Emergency Release Notification**

This material does not contain any components with a section 304 EHS RQ.

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

This material does not contain any components with a SARA 302 RQ.

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

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**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.

m-xylene	108-38-3	9.1 %
Isocyanates	101-68-8	9 %
1,2,4-Trimethylbenzene	95-63-6	6 %
Polymeric MDI	9016-87-9	4.8 %
p-xylene	106-42-3	4 %
Ethyl benzene	100-41-4	3.9 %
o-xylene	95-47-6	2.9 %
Cumene	98-82-8	.2 %

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

m-xylene	108-38-3	9.1 %
Isocyanates	101-68-8	9 %
p-xylene	106-42-3	4 %
Ethyl benzene	100-41-4	3.9 %
o-xylene	95-47-6	2.9 %

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):

Isocyanates	101-68-8	9 %
p-xylene	106-42-3	4 %
Ethyl benzene	100-41-4	3.9 %
o-xylene	95-47-6	2.9 %

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

**Massachusetts Right To Know**

m-xylene	108-38-3
----------	----------

**CONAP® PR-1167 Urethane Primer**

Version 3

Revision Date 12/16/2021

Print Date 02/23/2022

Isocyanates	101-68-8
1,2,4-Trimethylbenzene	95-63-6
p-xylene	106-42-3
Ethyl benzene	100-41-4
o-xylene	95-47-6

**Pennsylvania Right To Know**

Aromatic polyisocyanate-prepolymer	67815-87-6
Solvent naphtha, petroleum, light aromatic	64742-95-6
m-xylene	108-38-3
Isocyanates	101-68-8
1,2,4-Trimethylbenzene	95-63-6
Polymeric MDI	9016-87-9
p-xylene	106-42-3
Ethyl benzene	100-41-4
o-xylene	95-47-6
Xylene	1330-20-7
Cumene	98-82-8
Toluene	108-88-3

**New Jersey Right To Know**

Aromatic polyisocyanate-prepolymer	67815-87-6
Solvent naphtha, petroleum, light aromatic	64742-95-6
m-xylene	108-38-3
Isocyanates	101-68-8
1,2,4-Trimethylbenzene	95-63-6
Polymeric MDI	9016-87-9
p-xylene	106-42-3
Ethyl benzene	100-41-4
o-xylene	95-47-6
Methylenediphenyl diisocyanate	26447-40-5

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

**California Prop. 65**

**⚠ WARNING:** This product can expose you to chemicals including Ethyl benzene, Cumene, Benzene, which is/are known to the State of California to cause cancer, and Toluene, Benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

TSCA	: All components of this product are listed active and/or are exempt
Section 4 / 12(b)	: Not applicable
Section 5	Not applicable

**CONAP® PR-1167 Urethane Primer**

Version 3

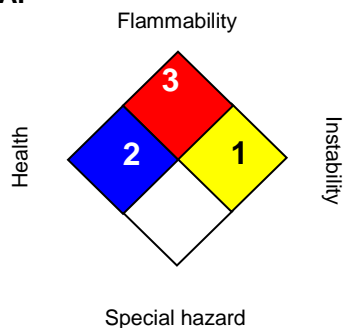
Revision Date 12/16/2021

Print Date 02/23/2022

Section 6

Not applicable

Not applicable

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>

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

Revision Date : 12/16/2021

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.



chemical-concepts.com

**800.220.1966**

410 Pike Road • Huntingdon Valley, PA 19006