

CONAP® PR-1167 Urethane Primer

Version 2

Revision Date 04/16/2018

Print Date 04/16/2018

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

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 : Primer

Restrictions on use : 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 - single exposure : Category 3 (Respiratory system, Central nervous system)

Specific target organ toxicity - repeated exposure : Category 2

GHS label elements

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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.

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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 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 (%)
	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 (component of Xylene)	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 (component of Solvent naphtha, petroleum, light aromatic)	98-82-8	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

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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	: 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 ₂) 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

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- | | |
|---|---|
| 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

- | | |
|-----------------------------|---|
| 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. |

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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
m-xylene	108-38-3	TWA	100 ppm 435 mg/m ³	NIOSH REL
m-xylene		ST	150 ppm 655 mg/m ³	NIOSH REL
m-xylene		TWA	100 ppm 435 mg/m ³	OSHA Z-1
m-xylene		STEL	150 ppm 655 mg/m ³	OSHA P0
m-xylene		TWA	100 ppm 435 mg/m ³	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 ³	OSHA Z-1
1,2,4-Trimethylbenzene	95-63-6	TWA	25 ppm 123 mg/m ³	ACGIH
p-xylene	106-42-3	TWA	100 ppm 435 mg/m ³	NIOSH REL
p-xylene		ST	150 ppm 655 mg/m ³	NIOSH REL
p-xylene		TWA	100 ppm 435 mg/m ³	OSHA Z-1
p-xylene		STEL	150 ppm 655 mg/m ³	OSHA P0
p-xylene		TWA	100 ppm 435 mg/m ³	OSHA P0
p-xylene		TWA	100 ppm	ACGIH
p-xylene		STEL	150 ppm	ACGIH
Ethyl benzene (component of Xylene)	100-41-4	TWA	20 ppm	ACGIH
Ethyl benzene (component of Xylene)		TWA	100 ppm 435 mg/m ³	OSHA Z-1
Ethyl benzene (component of Xylene)		TWA	100 ppm 435 mg/m ³	OSHA P0
Ethyl benzene (component of Xylene)		STEL	125 ppm 545 mg/m ³	OSHA P0
o-xylene	95-47-6	TWA	100 ppm 435 mg/m ³	NIOSH REL
o-xylene		ST	150 ppm 655 mg/m ³	NIOSH REL
o-xylene		TWA	100 ppm	OSHA Z-1

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			435 mg/m ³	
o-xylene		STEL	150 ppm 655 mg/m ³	OSHA P0
o-xylene		TWA	100 ppm 435 mg/m ³	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 ³	OSHA Z-1
Methylenediphenyl diisocyanate		C	0.02 ppm 0.2 mg/m ³	OSHA P0
Xylene	1330-20-7	TWA	100 ppm 435 mg/m ³	OSHA Z-1
Xylene		STEL	150 ppm 655 mg/m ³	OSHA P0
Xylene		TWA	100 ppm 435 mg/m ³	OSHA P0
Xylene		TWA	100 ppm	ACGIH
Xylene		STEL	150 ppm	ACGIH
Cumene (component of Solvent naphtha, petroleum, light aromatic)	98-82-8	TWA	50 ppm	ACGIH
Cumene (component of Solvent naphtha, petroleum, light aromatic)		TWA	50 ppm 245 mg/m ³	OSHA Z-1
Cumene (component of Solvent naphtha, petroleum, light aromatic)		TWA	50 ppm 245 mg/m ³	OSHA P0

Engineering measures : Use with adequate ventilation.
 All application areas should be ventilated in accordance with applicable OSHA regulations. (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

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Hygiene measures

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

: 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/cm³ (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

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Ignition temperature : No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : > 22 mm²/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

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

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

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): > 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 401

Acute 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:

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Acute oral toxicity : LD50 (Rat): 3,910 mg/kg
Acute inhalation toxicity : LC50 (Rat): 4550 ppm
Exposure time: 4.00 h
Acute dermal toxicity : Remarks: No data available

100-41-4 Ethyl benzene (component of Xylene):

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, male): 3,523 mg/kg
Method: Directive 67/548/EEC, Annex V, B.1.
Acute inhalation toxicity : LC50 (Rat): 5000 ppm
Exposure time: 4 h
Acute dermal toxicity : LD50 (Rabbit): 1,700 mg/kg

98-82-8 Cumene (component of Solvent naphtha, petroleum, light aromatic):

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:**

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Species: Rabbit
Result: Moderate skin irritation

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 (component of Xylene):

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

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Exposure time: 24.00 h
Method: Draize Test

101-68-8 Isocyanates:

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 (component of Xylene):

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

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

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

Germ cell mutagenicity- : Classified based on benzene content < 0.1% (Regulation (EC)
Assessment 1272/2008, Annex VI, Part 3, Note P)

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

9016-87-9 Polymeric MDI:

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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)
 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:
64742-95-6 Solvent naphtha, petroleum, light aromatic:

Carcinogenicity - : Classified based on benzene content < 0.1% (Regulation (EC)
 Assessment 1272/2008, Annex VI, Part 3, Note P)

101-68-8 Isocyanates:

Species: Rat, (male and female)
 Exposure time: 2 hrs
 Dose: 0 - 0,2 - 1 - 6 mg/m³
 Frequency of Treatment: 6 hours/ day, 5 days/ week
 Method: OECD Test Guideline 453

Carcinogenicity - : Suspected of causing cancer if inhaled.
 Assessment

9016-87-9 Polymeric MDI:

Species: Rat, (male and female)
 Application Route: Inhalation
 Exposure time: 2 h
 Dose: 0 - 0,2 - 1 - 6 mg/m³
 Frequency of Treatment: 6 hours/day, 5 days/week
 Method: OECD Test Guideline 453
 Test substance: see user defined free text

Carcinogenicity - : Suspected of causing cancer if inhaled.
 Assessment

IARC

Group 2B: Possibly carcinogenic to humans

 Ethyl benzene (component of
 Xylene)

100-41-4

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	Cumene (component of Solvent naphtha, petroleum, light aromatic)	98-82-8
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 on OSHA's list of regulated carcinogens.	
NTP	Reasonably anticipated to be a human carcinogen	
	Cumene (component of Solvent naphtha, petroleum, light aromatic)	98-82-8

Reproductive toxicity
Components:
101-68-8 Isocyanates:

Effects on foetal development

 : Species: Rat, female
 Application Route: Inhalation
 Dose: 0 - 1 - 4 - 12 mg/m3
 12 mg/m3
 4 mg/m3
 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/m3
 12 mg/m3
 4 mg/m3
 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

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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:****101-68-8 Isocyanates:**

Species: Rat, male and female

NOAEL: 0,2 mg/m³

Application Route: Inhalation

Exposure time: 2 hrs

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

Dose: 0 - 0,2 - 1 - 6 mg/m³

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/m³

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/m³

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:**

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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

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

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

: WC: FLAM ISO

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
Labels : Flammable liquid
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

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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.

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 %

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p-xylene	106-42-3	4 %
Ethyl benzene (component of Xylene)	100-41-4	3.9 %
o-xylene	95-47-6	2.9 %

Clean Air Act

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

m-xylene	108-38-3	9.1 %
Isocyanates	101-68-8	9 %
p-xylene	106-42-3	4 %
Ethyl benzene (component of Xylene)	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 SOCM1 Intermediate or Final VOC's (40 CFR 60.489):

Isocyanates	101-68-8	9 %
p-xylene	106-42-3	4 %
Ethyl benzene (component of Xylene)	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
Isocyanates	101-68-8
1,2,4-Trimethylbenzene	95-63-6
p-xylene	106-42-3
Ethyl benzene (component of Xylene)	100-41-4
o-xylene	95-47-6

Pennsylvania Right To Know

	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 (component of Xylene)	100-41-4
o-xylene	95-47-6
Xylene	1330-20-7
Cumene (component of Solvent naphtha,	98-82-8

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petroleum, light aromatic)
 Toluene 108-88-3

New Jersey Right To Know

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 (component of Xylene) 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 contains a chemical known to the State of California to cause cancer.

Ethyl benzene (component of Xylene) 100-41-4
 Cumene (component of Solvent naphtha, petroleum, light aromatic) 98-82-8
 Benzene 71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Toluene 108-88-3
 Benzene 71-43-2

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

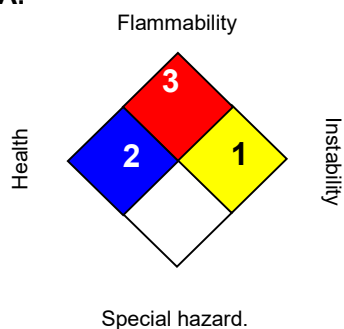
DSL : We certify that all of the components of this product are listed on the DSL.

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SECTION 16. OTHER INFORMATION
Further information
NFPA:

HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	1

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.