

7241 PTR

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 08/25/2015

Date of issue: 08/25/2015

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: 7241 PTR

1.2. Intended Use of the Product

Automotive detailing

1.3. Name, Address, and Telephone of the Responsible Party

Company

Ardex Laboratories, Inc.

2050 Byberry Rd

Philadelphia, PA 19116

T 215-698-0500

ardexlabs.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Flammability 2 H225

Aspiration hazard 1 H304

Eye damage/irritation 2A H319

Specific target organ toxicity (single exposure) 3 H336
(narcotic effects)

Specific target organ toxicity (single exposure) 3 H335
(respiratory tract)

Skin sensitization 1 H317

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US) : DANGER

Hazard Statements (GHS-US) : H225 – Highly flammable liquid and vapor
H304 – May be fatal if swallowed and enters airways
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H335 – May cause respiratory tract irritation
H336 – May cause drowsiness or dizziness

Precautionary Statements (GHS-US) : **Prevention**
P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed
P241: Use explosion proof equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P271: Use only outdoors or in a well ventilated area
P264: Wash hands and exposed skin thoroughly after handling
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective equipment

Response

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P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331: Do NOT induce vomiting
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a poison center/doctor if you feel unwell
P302+P352: IF ON SKIN: wash with plenty of water
P303+P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362+P364: Take off contaminated clothing and wash it before reuse.
P333+P313: IF skin irritation or rash occurs: Get medical attention
P321: Specific treatment (see first aid section of SDS)
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313: If eye irritation persists: get medical advice/attention
P370+P378: In case of fire, use dry chemical, CO₂, water spray (fog) or foam to extinguish

Storage

P403+P235: Store in a cool well ventilated place

P405: Store locked up

Disposal

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

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. **Unknown Acute Toxicity (GHS-US)** No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)
propan-2-ol	(CAS No) 67-63-0	<20
D-Limonene	(CAS No) 94266-47-4	<35
Distillates, petroleum, hydrotreated light	(CAS No) 64742-47-8	<20

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.. In case of shortness of breath, give oxygen. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Call a physician immediately.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.

Ingestion: If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General:

Inhalation: May cause respiratory irritation, drowsiness, and/or dizziness. Overexposure may cause nausea, vomiting, or headache

Skin Contact: Causes skin irritation/allergican reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: Can cause central nervous system depression. Irritating to mouth, throat, and stomache.

Chronic Symptoms: None expected under normal conditions of use.

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4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable Extinguishing Media: Water jet

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Explosion Hazard: Containers may explode when heated

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. CAUTION: For mixtures containing a high percentage of an alcohol or polar solvent, alcohol-resistant foam may be more effective.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Acrid fumes.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray). Eliminate all sources of ignition.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None classified.

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7.3. Specific End Use(s)

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

LPA-170		
Raw Material Suggestion:	OEL TWA (mg/m ³)	525 mg/m ³ for 8hour TWA
Propan-2-ol		
ACGIH TLV	TWA	200ppm, hours
	STEL	400ppm, 15minutes
OSHA PEL	TWA (ppm & mg/m ³)	400ppm / 980mg/m ³ 8hours
	STEL (ppm & mg/m ³)	500ppm / 1225mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Amber color, free-flowing
Odor	: Alcohol/hydrocarbon odor
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 94-96°F (34.4-35.5 °C)
Flash Point	: 70-80°F (21-26.6 °C)
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available

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Specific Gravity	: 0.8-1.0 (@20 DEG. C)
Solubility	: Insoluble
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Viscosity, Dynamic	: Notavailable
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Moisture. Peroxides. Halogens. Vinyl chloride. Iodine pentafluoride.
- 10.6. Hazardous Decomposition Products:** Decomposition products may include the following materials: Oxides, carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects – Product

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
LPA-170	Acute dermal toxicity LD-50	Rabbit	2,000 – 4,000 mg/kg	-
	Acute inhalation toxicity (all rats survived at indicated concentration) LC-50	Rat	6.8mg/l	4hours
	Acute oral toxicity LD-50	Rat	5,000 mg/kg	-
propan-2-ol	Inhalation – Gas LC-50	Rat	45,248ppm	1hours
	Dermal LD-50			

Irritation/Corrosion

Product/ingredient name	Result	Species	Dose	Exposure
LPA-170	Eye damage/infection	Rabbit	3.3 (max score = 8)	
	Skin corrosion/irritation	Rabbit	2.2 (max score = 8)	
D-limonene 94266-47-4	Skin sensitizer, respiratory tract irritation			
propan-2-ol	Eyes, moderate irritant	Rabbit	100mg	24hours
	Skin, mild irritant	Rabbit	500mg	

Sensitization

Skin/eye/respiratory irritation

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available

Teratogenicity

There is no data available

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
D-limonene 94266-47-4	Specific target organ toxicity	Respiratory tract	Respiratory tract
propan-2-ol	GHS category 3	N/A	Narcotic effects

Specific target organ toxicity repeated exposure

No data

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Aspiration hazard

May be fatal if swallowed and enters airways

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause respiratory irritation. Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Skin contact : Causes skin irritation.

Ingestion : Irritating to mouth, throat and stomach. Can cause central nervous system (CNS) depression

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain or irritation watering redness

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause skin sensitization. Symptoms include redness, and skin rash.

Ingestion : No known significant effects or critical hazards

Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General :

Carcinogenicity: No data

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity Acute toxicity estimates

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Product/ingredient name	Result	Species	Exposure
propan-2-ol	Acute LC50 1400000 to 1950000 µg/l – Sea Water	Crustaceans - Crangon crangon	48hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96hours
D-limonene 94266-47-4	No information available. May be harmful or toxic.		

Persistence and degradability – no data available

Bioaccumulative potential – propan-2-ol: low potential.

Mobility in soil - no data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: Dispose of in accordance with all local, regional, national, provincial, territorial and international regulations.






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Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1219	UN1219	UN1219	UN1219	UN1219
UN proper shipping name	ISOPROPANOL OR ISOPROPYL ALCOHOL	ISOPROPANOL; OR ISOPROPYL ALCOHOL	ISOPROPANOL OR ISOPROPYL ALCOHOL	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL
Transport hazard class(es)	3 	3 	3 	3 	3 
Packing group	II	II	II	II	II
Environment	No.	No.	No.	No.	No.
Additional information	<u>Limited quantity</u> Yes. <u>Packaging instruction</u> Passenger aircraft Quantity limitation: 5 L Cargo aircraft Quantity limitation: 60 L <u>Special provisions</u> IB2, T4, TP1	<u>Explosive Limit and Limited Quantity Index</u> 1 <u>Passenger Carrying Road or Rail Index</u> 5	-	-	<u>Passenger and Cargo Aircraft</u> Quantity limitation: 5 L <u>Cargo Aircraft Only</u> Quantity limitation: 60 L <u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 1 L

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

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SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard
Clean Water Act (CWA) 311	
SARA 313 reportable items	
Propan-ol-2	

15.2. US State Regulations

State regulations

- Massachusetts : The following components are listed: LPA LISTED
- New York : The following components are listed: LPA LISTED
- New Jersey : None of the components are listed. LPA LISTED
- Pennsylvania : The following components are listed: LPA LISTED

California Prop. 65

No products were found.

International regulations

International lists

- Australia inventory (AICS): LPA LISTED.
- China inventory (IECSC): LPA LISTED. Japan inventory: LPA LISTED.

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Korea inventory: LPA LISTED.

Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): LPA LISTED.

Philippines inventory (PICCS): LPA LISTED

Taiwan inventory (CSNN): LPA LISTED.

Chemical Weapons Convention List Schedule I Chemicals: Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 08/25/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012