



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: GB/T 17519-2013

**Issue Date** 29-May-2015

**Revision Date** 27-Dec-2018

**Version** 2

**Product identifier**

**Product Name** Paver Re-Sealer

**Other means of identification**

**Product Code** LUCAS 7016CARB

**UN/ID no.** 1268

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Solvent.

**Uses advised against** For exterior use only. Do not use indoors. Use with adequate ventilation. Keep airborne concentrations below legal and recommended limits.

**Details of the supplier of the safety data sheet**

**Manufacturer Address** R.M. Lucas Company  
3211 South Wood Street  
Chicago, Illinois 60608  
(773) 523-4300

**Emergency telephone number**

**Emergency Telephone** Call CHEMTREC Day or Night:  
Within USA and Canada: 1-800 424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation  
May cause cancer  
May damage fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways  
Highly flammable liquid and vapor



**Appearance** Clear

**Physical state** Liquid

**Odor** Solvent

#### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Use only outdoors or in a well-ventilated area  
Wash face, hands and any exposed skin thoroughly after handling  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Keep container tightly closed when product is not in use.  
Ground/bond container and receiving equipment  
Use explosion-proof electrical/ventilating/lighting/equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Keep cool

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see first aid information on this label)  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
If skin irritation occurs: Get medical advice/attention  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects

Unknown acute toxicity                      0.7525% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Dimethyl carbonate	616-38-6	40 - 50%	*
Acetone	67-64-1	30 - 40%	*
Acrylic Co-Polymer	25035-69-2	10 - 20%	*
Xylene	1330-20-7	0 - 10%	*
Diethylphthalate	117-81-7	0 - 10%	*
Ethylbenzene	100-41-4	0 - 10%	*

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

##### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

##### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Store in a dry place away from excessive heat, in original or similar waterproof containers. Keep away from heat, sparks, flame and other sources of ignition.

**Incompatible materials** Acids. Bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone 67-64-1	STEL: 500 ppm TWA: 250 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
Diocylphthalate 117-81-7	TWA: 5 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup> Di-sec-octyl phthalate (vacated) STEL: 10 mg/m <sup>3</sup> Di-sec-octyl phthalate	IDLH: 5000 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> Di-sec octyl phthalate which is not correct for 117-81-7
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** No special technical protective measures are necessary.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	Clear	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	55 °C 132	
<b>Flash point</b>	> -20 °C / > -4 °F	Tag Closed Cup
<b>Evaporation rate</b>	7.7	Butly acetate = 1
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		For exterior use only. Do not use indoors.
<b>Upper flammability limit:</b>	2.6%	
<b>Lower flammability limit:</b>	12.8%	
<b>Vapor pressure</b>	185	@ 20 °C
<b>Vapor density</b>	Heavier than Air	
<b>Specific Gravity</b>	.78	
<b>Water solubility</b>	Immiscible in water	
<b>Solubility in other solvents</b>	No information available	Soluble in aromatic and aliphatic solvents.
<b>Partition coefficient</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

### Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	Less Than 100 g/l
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Acids. Bases.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	No data available.
<b>Inhalation</b>	Inhalation of process vapors may cause respiratory irritation. Toxic by inhalation.
<b>Eye contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl carbonate 616-38-6	= 13 g/kg ( Rat )	> 5 g/kg ( Rabbit )	= 140 mg/L ( Rat ) 4 h
Acetone 67-64-1	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Xylene 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Diocetylphthalate 117-81-7	= 30 g/kg ( Rat )	= 25 g/kg ( Rabbit )	> 10620 mg/m <sup>3</sup> ( Rat ) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7	-	Group 3	-	-
Diocetylphthalate 117-81-7	A3	Group 2B	Reasonably Anticipated	X
Ethylbenzene 100-41-4	A3	Group 2B	-	X

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors.

<b>ATEmix (oral)</b>	7,587.00
<b>ATEmix (dermal)</b>	2,053.00
<b>ATEmix (inhalation-dust/mist)</b>	2.78

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

14.75% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Xylene 1330-20-7	-	13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 780: 96 h Cyprinus carpio	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50

		mg/L LC50 semi-static 30.26 - 40.75: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 7.711 - 9.591: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 780: 96 h <i>Cyprinus carpio</i> mg/L LC50 2.661 - 4.093: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 13.1 - 16.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 19: 96 h <i>Lepomis macrochirus</i> mg/L LC50 23.53 - 29.97: 96 h <i>Pimephales promelas</i> mg/L LC50 static	
Acetone 67-64-1	-	4.74 - 6.33: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 8300: 96 h <i>Lepomis macrochirus</i> mg/L LC50 6210 - 8120: 96 h <i>Pimephales promelas</i> mg/L LC50 static	10294 - 17704: 48 h <i>Daphnia magna</i> mg/L EC50 Static 12600 - 12700: 48 h <i>Daphnia magna</i> mg/L EC50
Diethylphthalate 117-81-7	130: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 0.1: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 0.1: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	0.16: 96 h <i>Pimephales promelas</i> mg/L LC50 static 0.27 - 0.67: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 0.200: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 0.200: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.32: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static 100: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 0.32: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 0.32: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 0.67: 96 h <i>Oryzias latipes</i> mg/L LC50 flow-through 0.32: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through	0.16: 48 h <i>Daphnia magna</i> mg/L EC50 9.4: 48 h <i>Daphnia magna</i> mg/L LC50
Ethylbenzene 100-41-4	4.6: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 2.6 - 11.3: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 1.7 - 7.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 438: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	11.0 - 18.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 7.55 - 11: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 9.1 - 15.6: 96 h <i>Pimephales promelas</i> mg/L LC50 static 9.6: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 32: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static	1.8 - 2.4: 48 h <i>Daphnia magna</i> mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Acetone 67-64-1	-0.24
Xylene 1330-20-7	2.77 - 3.15
Diethylphthalate 117-81-7	5.03
Ethylbenzene 100-41-4	3.2

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

**Contaminated packaging** Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7	-	Included in waste stream: F039	-	U239
Acetone 67-64-1	-	Included in waste stream: F039	-	U002
Diocylphthalate 117-81-7	U028	Included in waste stream: F039	-	U028
Ethylbenzene 100-41-4	-	Included in waste stream: F039	-	-

Chemical Name	California Hazardous Waste Status
Acetone 67-64-1	Ignitable
Xylene 1330-20-7	Toxic Ignitable
Ethylbenzene 100-41-4	Toxic Ignitable

#### 14. TRANSPORT INFORMATION

##### DOT

**UN/ID no.** 1268  
**Proper shipping name** Flammable liquids, n.o.s.(Acetone, Petroleum distillates)  
**Hazard Class** 3  
**Packing Group** II  
**Special Provisions** Not regulated for ground transport in containers less than one liter including aerosols.

##### TDG

Not regulated.

##### MEX

Not regulated.

##### ICAO (air)

Not regulated.

##### IATA

Not regulated.

##### IMDG

Not regulated.

##### RID

Not regulated.

##### ADR

Not regulated.

##### ADN

Not regulated.

#### 15. REGULATORY INFORMATION

##### International Inventories

##### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances



**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0
Diethylphthalate - 117-81-7	0.1
Ethylbenzene - 100-41-4	0.1

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	Yes

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	X
Diethylphthalate 117-81-7	-	X	X	-
Ethylbenzene 100-41-4	1000 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone 67-64-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylene 1330-20-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Diethylphthalate 117-81-7	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylbenzene 100-41-4	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Diethylphthalate - 117-81-7	Carcinogen Developmental Male Reproductive
Ethylbenzene - 100-41-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dimethyl carbonate 616-38-6	X	X	X
Acetone 67-64-1	X	X	X
Xylene 1330-20-7	X	X	X
Diethylphthalate 117-81-7	X	X	X
Ethylbenzene	X	X	X

100-41-4			
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**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health hazards 2	Flammability 3	Instability 1	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 3	Physical hazards 1	Personal protection X

Prepared By	Prepared by Adam Dunn
Issue Date	29-May-2015
Revision Date	27-Dec-2018

Revision Note  
No information available

**Disclaimer**

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.

**End of Safety Data Sheet**