



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: 29CFR1910.1200

Issue Date 04-Jun-2021

Revision Date 16-Jul-2021

Version 1

Product identifier

Product Name PVC Bonding Adhesive

Other means of identification

Product Code LUCAS 8700

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Adhesive.

Uses advised against DO NOT FREEZE.

Details of the supplier of the safety data sheet

Manufacturer Address R.M. Lucas Company
12400 South Laramie Ave
Alsip, Illinois 60803
(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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

Warning		
Hazard statements Causes skin irritation Causes eye irritation		
		
Appearance Aqueous Solution	Physical state Liquid	Odor Low

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Unknown acute toxicity No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance**Mixture**

This product is a mixture.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Synonyms

None.

Chemical nature

Aqueous solution of a polymer.

Chemical Name	CAS No.	Weight-%	Trade Secret
Trade Secret	Proprietary	60 - 70%	*
Water	7732-18-5	40 - 50%	*

4. FIRST AID MEASURES

Description of first aid measures**General advice**

Under conditions of normal use, no hazards are anticipated which require special first aid measures.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact

Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.

Ingestion

Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

Most important symptoms and effects, both acute and delayed**Symptoms**

May cause skin irritation. May cause eye irritation.

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. Dry chemical. Carbon dioxide (CO₂). Sand. Use foam or water FOG as a last resort.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

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 No action should be taken involving any personal risk or without suitable training. Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages can not be contained. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Contain spillage with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite.

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).

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep from freezing. Keep containers tightly closed in a cool, dry, well-ventilated place.

Incompatible materials Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines No ACGIH or OSHA PEL is assigned to this mixture.
 . Exposure limits for the component materials are shown below.
 . This product, as supplied, is not believed to contain any hazardous material that exceeds exposure limits established by OSHA.

Appropriate engineering controls

Engineering Controls General ventilation is sufficient for storage and ordinary handling.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).
Skin and body protection Wear protective gloves and protective clothing that is resistant to chemical penetration.
Respiratory protection No protective equipment is needed under normal use conditions.

General Hygiene Considerations Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Low
Appearance	Aqueous Solution	Odor threshold	Negligible odor.
Color	Opaque Dries clear		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	6.5		
Melting point/freezing point	None / 0 276F None / 32 °F	Melting Point is not applicable. Freezing points are shown.	
Boiling point / boiling range	> 100 212DEG F / 212 °F		
Flash point	Not applicable / Not applicable °F	Non Flammable	
Evaporation rate	The evaporation rate of the water component of this emulsion product is dependent upon: 1) The temperature of the water at the air-water surface; 2) The humidity of the air; 3) The area of the air-water surface; 4) The temperature of the air. No information available	No data available. Evaporation rate is dependent upon atmospheric conditions.	
Flammability (solid, gas)	Non Flammable		
Flammability Limit in Air		Not flammable	
Upper flammability limit:	Not applicable		
Lower flammability limit:	Not applicable		
Vapor pressure	2.33 (kPa)	@ 20 °C	
Vapor density	5.3	No data available.	
Specific Gravity	1.1	Water = 1g/ml	
Water solubility	Dispersible		
Solubility in other solvents	Soluble in aromatic and aliphatic solvents.		
Partition coefficient	No information available	No data available.	
Autoignition temperature	Not Determined / N/D °F		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	Not an explosive		
Oxidizing properties	None		

Other Information

Softening point	Not applicable
Molecular weight	No information available
VOC Content (%)	Less than 25 g/l
Density	8.6 lb/gal
Bulk density	Not applicable

10. STABILITY AND REACTIVITY

Reactivity

Not applicable	Not applicable
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Chemical stability

Stable.

Possibility of Hazardous Reactions

None under normal use.

Hazardous polymerization	Hazardous polymerization does not occur.
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Conditions to avoid

None known for product as a whole.

Incompatible materials

Incompatible with oxidizing agents.

Hazardous Decomposition Products

Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.
Inhalation	Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes. Contact with eyes may cause irritation.
Skin contact	May cause irritation.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Not an expected route of exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-

Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Can cause skin irritation.
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Serious eye damage/eye irritation	Irritating to eyes.
Irritation	Irritating to eyes and skin.
Corrosivity	Not classified.
Sensitization	May cause sensitization of susceptible persons.
Germ cell mutagenicity	This product does not contain any ingredients that cause germ cell mutagenicity.
Carcinogenicity	The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)***A4 - Not Classifiable as a Human Carcinogen***IARC (International Agency for Research on Cancer)***Group 3 - Not classifiable as a human carcinogen.***OSHA (Occupational Safety and Health Administration of the US Department of Labor)***X - Present*

Reproductive toxicity	None known for product as a whole.
Developmental Toxicity	None known for product as a whole.
Teratogenicity	None known.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

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.

14. TRANSPORT INFORMATION

Note:	This material is not subject to regulation as a hazardous material for shipping
<u>DOT</u>	Not regulated.
<u>TDG</u>	Not regulated.

<u>MEX</u>	Not regulated.
<u>ICAO (air)</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG</u>	Not regulated.
<u>RID</u>	Not applicable in the United States. Not regulated.
<u>ADR</u>	Not applicable in the United States. Not regulated.
<u>ADN</u>	Not applicable in the United States. Not regulated.

15. REGULATORY INFORMATION

International Inventories

<u>TSCA</u>	All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt.
<u>DSL/NDSL</u>	All of the components of this product are listed on the DSL.

Legend:

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

SARA 311/312 Hazard Categories

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

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
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Water 7732-18-5	-	-	X
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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 1	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection -

Prepared By	Prepared by Steve Velten
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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