

SECTION 1: IDENTIFICATION**1.1 Product Identifier**

Product Name: Lonseal #813 Sheet Vinyl Adhesive
Product Code(s): ZAD8131, ZAD8134

1.2 Relevant Identified Uses and Uses Advised Against

Product Use: Sheet vinyl flooring adhesive (see Technical Data Sheet for additional details)
Product Restrictions: None (see Technical Data Sheet for additional details)

1.3 Details of the Supplier of the Safety Data Sheet

Manufactured for: Lonseal, Inc.
Address: 928 E. 238th Street
Carson, CA 90745
(310) 830-7111

24 Hour Emergency Phone Number(s): INFOTRAC – U.S. & Canada: 1-800-535-5053
International: 1-352-353-3500

SECTION 2: HAZARD(S) IDENTIFICATION**2.1 Classification of the Substance or Mixture**

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 Label Elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.3 Other Hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substances**

n/a

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

Ingredient/Chemical Name	CAS Number	Weight %	Classification*
Ethylene glycol	107-21-1	0.1 – 0.25	Acute Tox. 4, H302; Eye Irrit. 2B, H320; STOT SE 2, H371; STOT RE 2, H373

*The full text of the GHS Hazards Statement may be found in Section 2.

SECTION 4: FIRST-AID MEASURES**4.1 Description of necessary first-aid measures**

Eyes: Wash immediately with water.

Ingestion: Do not induce vomiting; seek medical attention showing the SDS and the hazard label.

Inhalation: Remove casualty to fresh air and keep warm and at rest.

Skin: Wash with plenty of soap and water.

4.2 Most Important Symptoms/Effects, Acute and Delayed

n/a

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

n/a

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Suitable Extinguishing Media**

Water, carbon dioxide (CO₂)

5.2 Specific Hazards Arising from the Substance or Mixture

Do not inhale explosion or combustion gases.
Burning produces heavy smoke.

Hazardous Combustion Products: n/a

Explosive Properties: n/a

Oxidizing Properties: n/a

5.3 Special Protective Actions for Fire-Fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Wear personal protection equipment (PPE).

Remove persons to safety.

See Protective Measures under Section 7 and Section 8.

6.2 Environmental Precautions

n/a

6.3 Methods and Materials for Containment and Cleaning Up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not eat or drink while working.

See also Section 8 for recommended protective equipment.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Temperature: n/a

Incompatible Components: None in particular

Instructions as regards storage premises: Adequately ventilated premises

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

List of components with OEL value:

Component	OEL Type/ Country	Long Term Ceiling (mg/m ³)	Long Term (ppm)	Short Term (mg/m ³)	Short Term (ppm)	Behavior	Note
Ethylene glycol	ACGIH	C		100			
	EU	52	20	104	40	Indicative	Possibility of significant uptake through the skin

8.2 Appropriate Engineering Controls

n/a

8.3 Appropriate Protection Measures, Including Personal Protective Equipment

Eye Protection: Not needed for normal use. Operate according to good working practices.

Respiratory Protection: n/a

Skin Protection: No special precaution must be adopted for normal use.

Hand Protection: Not needed for normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White Paste

Odor:	Like acrylate
Odor Threshold:	n/a
pH:	8.5
Melting Point/Freezing Point:	n/a
Initial Boiling Point and Boiling Range:	n/a
Flash Point:	>100.0 °C (212.0 °F)
Evaporation Rate:	Similar to water
Flammability (Solid, Gas):	n/a
Upper/Lower Flammability or Explosive Limits:	n/a
Vapor Pressure:	n/a
Vapor Density:	n/a
Relative Density:	1.00 g/cm ³
Solubility in Water:	Dispersible
Partition Coefficient (n-octanol/water):	n/a
Auto-Ignition Temperature:	n/a
Decomposition Temperature:	n/a
Viscosity:	n/a
Substance groups relevant properties	n/a
Miscibility	n/a
Fat Solubility	n/a
Conductivity	n/a

SECTION IO: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

Data not available

10.3 Possibility of Hazardous Reactions

None

10.4 Conditions to Avoid

Stable under normal conditions

10.5 Incompatible Materials

None in particular

10.6 Hazardous Decomposition Products

None

SECTION II : TOXICOLOGICAL INFORMATION

Toxicological Information of the Mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological Information on Main Components of the Mixture:

Ethylene glycol	a) acute toxicity	LD50 Oral Rat = 4000 mg/kg
		LD50 Skin Rat = 10600 mg/kg

If not differently specified, the information required in the regulation and listed below must be considered as n/a:

Acute toxicity, skin corrosion/irritation, serious eye damage/irritation, respiratory or skin sensitization, germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT-single exposure, STOT-repeated exposure, and aspiration hazard.

Substance(s) listed on the IARC Monographs: None
Substance(s) listed as OSHA Carcinogen(s): None
Substance(s) listed as NIOSH Carcinogen(s): None
Substance(s) listed on the NTP Report on Carcinogen(s): None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of components with Eco-Toxicological Properties (Aquatic Acute Toxicity):

Quantity	Component	CAS #	EPA, LC50 fish (96 hr.)	IUCLID, LC50 fish (96 hr.)	IUCLID, EC50 algae (96 hr.)	IUCLID, EC50 daphnia (48 hr.)
0.1 – 0.25%	Ethylene glycol	107-21-1	O. mykiss = 14mL/L; L. macrochirus = 27540 mg/L; P. promelas = 40000 mg/L	O. mykiss = 41000 mg/L; P. reticulata = 16000 mg/L	P. subcapitata = 6500 mg/L	D. magna = 46300 mg/L

12.2 Persistence and Degradability

n/a

12.3 Bioaccumulative Potential

n/a

12.4 Mobility in Soil

n/a

12.5 Other Adverse Effects

n/a

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Methods

Dispose of in accordance with all applicable federal, state, and local regulations. Consult authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

	DOT/ADR	IMO/IMDG	ICAO/IATA
UN Number:	n/a	n/a	n/a
UN Proper Shipping Name:	n/a	n/a	n/a
Transport Hazard Class(es):	n/a	n/a	n/a
Packing Group:	n/a	n/a	n/a

Environmental Hazards: Marine Pollutant: No
 Environmental Pollutant: n/a

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: n/a
Special Precautions for User: n/a

SECTION 15: REGULATORY INFORMATION

Toxic Substance Control Act (TSCA): All components are listed on the TSCA Inventory.

Listed Substance(s)	Section
Ethylene glycol	5; 8b

Superfund Amendments and Reauthorization Act (SARA)

- Section 302 – Extremely Hazardous Substances: No substances listed
- Section 304 – Hazardous Substances: Ethylene glycol
- Section 313 – Toxic Chemical List: Ethylene glycol

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

Listed Substance(s): Ethylene glycol (Reportable quantity: 5000 lbs.)

Clean Air Act (CAA)

Listed Substance(s): Ethylene glycol [§112(b) – HAP; §112(b) – HON]

Clean Water Act (CWA)

Listed Substance(s): No substances listed

USA – State Regulations

- California Proposition 65: Ethylene glycol (reproductive toxicant)
- Massachusetts RTK: Ethylene glycol
- New Jersey RTK: Ethylene glycol
- Pennsylvania RTK: Ethylene glycol

Canada – Federal Regulations

- Domestic Substances List (DSL): All the substances are listed in the DSL
- Non-Domestic Substances List (NDSL): No substances listed
- National Pollutant Release Inventory (NPRI): No substances listed

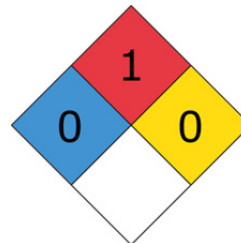
SECTION 16: OTHER INFORMATION

Additional Classification Information:

HMIS:

Lonseal #813	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

NFPA:



Full Text of GHS Hazard Statements from Section 3:

- H302 Harmful if swallowed.
- H320 Causes eye irritation.
- H371 May cause damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.

Disclaimer: Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. This information relates only to the product designated herein, and does not relate to its use in combination with other materials or in any other process. The manufacturer makes no representations and assumes no liability for any direct, incidental, or consequential damages resulting from its use. The information herein is presented in good faith and based upon data from manufacturers or technical sources, and is believed to be accurate as of the revision date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State, or local laws. Conditions of use are beyond Lonseal's control and therefore users are responsible to verify this data under their own conditions to determine suitability for their purpose. Users of this product must comply with all applicable health and safety laws, regulations, and orders. Users of this product assume all risks of use, handling, and disposal, or from use of the information contained within this document.

General Statements:

- Keep out of the reach of children.
- For professional or industrial use only.
- If you cannot read, or do not understand all directions, cautions, and warnings for this product, DO NOT use.

Abbreviations (may not actually appear within document):

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
bw	Body Weight
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
CMR	Carcinogenicity, Mutagenicity, and Toxicity for Reproduction
CNS	Central Nervous System
cSt	centistokes
D	Day
Dam.	Damage
DIN	German Institute for Standardization
DNEL	Derived No Effect Level
DSL	Domestic Substances List
DOT	Department of Transportation
EC	European Commission
EC50	Effective Concentration, for 50% of Test Population
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ErC50	Effective Concentration, for 50% of Test Population
ERG	Emergency Response Guidebook
G	grams
GHS	Globally Harmonized System
HMIS	Hazardous Materials Identification System
hr.	hour(s)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IOELV	Indicative Occupational Exposure Limit Values
Irrit.	Irritation
L	liter(s)
lbs.	pounds
LC50	Lethal Concentration, for 50% of Test Population
LD50	Lethal Dose, for 50% of Test Population
Liq.	Liquid
M	meter(s)
mfg.	Manufacturer
Mg	milligram(s)
mL	milliliter
n/a	Not Applicable
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NOEC	No Observed Effect Concentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limits
OSHA	Occupational Safety and Health Administration
Pa	Pascal
PBT	Persistent Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted No Effect Concentration
PPE	Personal Protective Equipment
ppm	Parts Per Million
Repr.	Reproductive Toxicity
Respir.	Respiratory Tract Irritation
RQ	Reportable Quantities

RTK	Right-to-Know
SDS	Safety Data Sheet
Sens.	Sensitization
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
STOT RE	Specific Target Organ Toxicity, Repeat Exposure
STOT SE	Specific Target Organ Toxicity, Single Exposure
TCC	Tag Closed Cup
THF	Tetrahydrofuran
TLV	Threshold Limit Value
Tox.	Toxicity
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace Exposure Limit
WHMIS	Workplace Hazardous Materials Information System

Revision History:

3.29.2019 Initial SDS Release. SDS provided by mfg. was incorporated into Lonseal's letterhead/layout. Items contained within Section 16, from "Disclaimer" and below, are exclusive to Lonseal's version of the SDS.