

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: For use with sheet vinyl flooring only (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: None

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)

Unsuitable extinguishing media: None in particular

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.

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

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

Retain contaminated washing water and dispose it.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes, and 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: Store above freezing.

Incompatible Components: None in particular

Instructions as regards storage premises: Adequately ventilated premises. Keep away from food, drink, and feed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

No data available

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.

Hand Protection: Use impervious gloves that provide comprehensive protection (e.g. PVC, neoprene, or rubber).

Suitable materials for safety gloves per 29 CFR 1910.138 – ANSI/ISEA 105:

Butyl rubber – IIR: thickness ≥ 0.5 mm; breakthrough time ≥ 480 min.

Fluorinated rubber – FKM: thickness ≥ 0.4 mm; breakthrough time ≥ 480 min.

Nitrile rubber – NBR: thickness ≥ 0.35 mm; breakthrough time ≥ 480 min.

Polychloroprene – CR: thickness ≥ 0.5 mm; breakthrough time ≥ 480 min.

Respiratory Protection: Respiratory protection must be used where exposure levels exceed workplace limits. Refer to 29 CFR 1910.134 – CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Paste

Odor: Like latex

Odor Threshold: n/a

pH:	9.45
Melting Point/Freezing Point:	n/a
Initial Boiling Point and Boiling Range:	100 °C (212 °F) – water based
Flash Point:	100.0 °C (212.0 °F)
Evaporation Rate:	3.25/minute
Flammability (Solid, Gas):	Not noted by mfg.
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:	47.50 Pa-s
Substance groups relevant properties	n/a
Miscibility	n/a
Fat Solubility	n/a
Conductivity	n/a

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable

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 11: TOXICOLOGICAL INFORMATION

Toxicological Information of the Mixture:

Based on available data, the classification criteria are not met for the following, and are not classified: 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:

Not classified for environmental hazards. Based on available data, the classification criteria are not met.

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**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Methods of Disposal:

Disposal of this product, solutions, packaging, and any by-product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Do not dispose of waste into sewers.

Disposal Considerations:

Do not allow to enter drains or watercourses. Dispose of product and containers contaminated by the product according to all federal, state, and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply, and the appropriate code should be assigned. For further information, contact your local waste authority.

Special Precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated, empty containers. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains, and sewers. Empty containers or liners may retain some product residues. Do not re-use empty containers.

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): No substances listed

Superfund Amendments and Reauthorization Act (SARA)

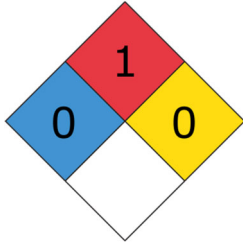
Section 302 – Extremely Hazardous Substances: No substances listed
Section 304 – Hazardous Substances: No substances listed
Section 313 – Toxic Chemical List: No substances listed

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)**Listed Substance(s):** No substances listed**Clean Air Act (CAA)****Listed Substance(s):** No substances listed**Clean Water Act (CWA)****Listed Substance(s):** No substances listed**USA – State Regulations**

California Proposition 65:	No substances listed
Massachusetts RTK:	No substances listed
New Jersey RTK:	No substances listed
Pennsylvania RTK:	No substances listed

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:****NFPA:**

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	Accord européen relatif au transport international de marchandises Dangereuses par Route (European agreement for the international carriage of Dangerous goods by Road)
Asp.	Aspiration
ATE	Acute Toxicity Estimate
bw	Body Weight
Carc.	Carcinogenicity
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
CLP	Classification, Labeling, and Packaging
CMR	Carcinogenicity, Mutagenicity, and Toxicity for Reproduction
CNS	Central Nervous System
cSt	Centistokes

d	Day(s)
Dam.	Damage
DIN	Deutsches Institut für Normung (German Institute for Standardization)
DNEL	Derived No Effect Level
DOT	Department of Transportation
EC	European Commission
EC0	Effective Concentration for 0% of Test Population
EC10	Effective Concentration for 10% of Test Population
EC50	Effective Concentration for 50% of Test Population
EC90	Effective Concentration for 90% of Test Population
EC100	Effective Concentration for 100% 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
EU	European Union
Flam.	Flammable
g	Gram(s)
GHS	Globally Harmonized System
h	Hour(s)
Haz.	Hazard
HMIS	Hazardous Materials Identification System
hPa	Hectopascal(s)
hr.	Hour(s)
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IOELV	Indicative Occupational Exposure Limit Values
Irrit.	Irritation
IUCLID	International Uniform Chemical Information Database
kg	Kilogram(s)
KOW	n-Octanol/Water Partition Coefficient
L	Liter(s)
lbs.	pounds
LC50	Lethal Concentration for 50% of Test Population
LC100	Lethal Concentration for 100% of Test Population
LD50	Lethal Dose for 50% of Test Population
Liq.	Liquid
LOEC	Lowest Observed Effect Concentration
LTEL	Long-Term Exposure Limit
m	Meter(s)
MAK	Maximale Arbeitsplatz-Konzentration (Maximum Workplace Concentration)
MARPOL	Maritime Pollution
mfg.	Manufacturer
mg	Milligram(s)
min	Minute(s)
mL	Milliliter(s)
mPa	Millipascal(s)
Muta.	Germ Cell Mutagenicity
n/a	Not Applicable or Not Available
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NOEC	No Observed Effect Concentration
NTP	National Toxicology Program
n.o.s.	Not Otherwise Specified
OEL	Occupational Exposure Limits
OSHA	Occupational Safety and Health Administration

Pa	Pascal(s)
Pa-s	Pascal second(s)
PBT	Persistent Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted No Effect Concentration
PPE	Personal Protective Equipment
ppm	Parts Per Million
PVC	Polyvinyl Chloride
Repr.	Reproductive
Respir.	Respiratory
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	Tagliabue Closed Cup
THF	Tetrahydrofuran
TLV	Threshold Limit Value
Tox.	Toxicity
TWA	Time Weighted Average
UN	United Nations
US	United States
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.
6.4.2019	Minor formatting changes. Revised Product Restrictions under Section 1. Sections 3, 8, 11, 12, and 15 revised to remove mention of Ethylene glycol, which is not contained in the product.
2.18.2020	Minor typo corrections.
3.13.2020	Updated abbreviations list under Section 16.
2.23.2023	Information updated to match the most current SDS from the manufacturer.