Section 1: Identification

1.1 Product Identifier

Product Name: Lonseal #180 DeckHold Vinyl Decking Adhesive
Product Code(s): ZAD1804

1.2 Relevant Identified Uses and Uses Advised Against

Product Use: Sheet vinyl decking adhesive (see Technical Data Sheet for additional details)
Product Restrictions: For exterior use with exterior sheet vinyl decking 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

Carcinogenicity, Category 2: H351 Suspected of causing cancer if inhaled, in contact with skin, and if swallowed.

2.2 Label Elements

Signal Word: WARNING

Hazard Statement(s):
H350 May cause cancer if inhaled, in contact with skin, and if swallowed.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statement(s):
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Storage Statement(s)
P405 Store locked up.

Disposal Statement(s)
P501 Dispose of contents/container in accordance with applicable regulations.

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*
Vinyl acetate; acetic acid ethenyl ester	108-5-4	0.25 – 0.49	Flam. Liq. 2: H225 Acute Tox. 4: H332 Carc. 2: H351 STOT SE 3: H335 Aquatic Acute 3: H402 Aquatic Chronic 3: H412

*The full text of the GHS Hazards Statement may be found in Section 16.

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: Immediately take off all contaminated clothing. Areas of the body that have, or are only even suspected of having, come into contact must be rinsed immediately with plenty of running water and possibly with soap. Wash the body thoroughly (shower or bath). Remove contaminated clothing immediately and dispose of safely.

4.2 Most Important Symptoms/Effects, Acute and Delayed

n/a

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Section 5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media

Water, carbon dioxide (CO_2)

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.
See Protective Measures under Section 7 and Section 8.

6.2 Environmental Precautions

Not noted by mfg.

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 of it properly.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes, inhalation of vapors and mists.
Exercise the greatest care when handling or opening container.
Do not use empty container before it has been cleaned.
Before making transfer operations, assure that there are not any incompatible material residuals in the container.
Contaminated clothing should be changed before entering eating areas.
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. Keep away from food, drink, and feed.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

List of components with OEL value:

Component	Type	Long Term	Short Term	Behavior	Note
Vinyl acetate	ACGIH	10 ppm	15 ppm		A3 – Confirmed animal carcinogen with unknown relevance to humans; CNS impairment; eye, skin, and upper respiratory tract irritation
	EU	17.6 mg/m^3 (5 ppm)	35.2 mg/m3 (10 ppm)	Indicative	
	MAK (Germany)	36 mg/m^3 (10 ppm)			
	MAK (Switzerland)	35 mg/m^3 (10 ppm)			

8.2 Appropriate Engineering Controls

n/a

8.3 Appropriate Protection Measures, Including Personal Protective Equipment

Eye Protection: Use close fitting safety goggles. Do not use eye lenses.
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 exposure limits. Refer to 29 CFR 1910.134 – CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.
Skin Protection: Use clothing that provides comprehensive protection to the skin (e.g. cotton, rubber, PVC, or Viton).

Section 9: Physical and Chemical Properties

Physical State:	Liquid paste
Color:	White
Odor:	Latex-like
Melting Point/Freezing Point:	No data available
Boiling Point [or Initial Boiling Point and Range]:	No data available
Flammability:	Not noted by mfg.
Lower Explosion Limit:	No data available
Upper Explosion Limit:	No data available
Flash Point:	94 °C (201 °F)

Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available
pH:	9.00
Kinematic Viscosity:	No data available
Solubility (in water):	No data available
Partition Coefficient (n-octanol/water):	No data available
Vapor Pressure:	No data available
Density [or Relative Density]:	Not noted by mfg.
Relative Vapor Density:	No data available
Particle Characteristics:	Not noted by mfg.
Odor Threshold:	No data available
Solubility (in oil):	No data available
Explosive Properties:	No data available
Oxidizing Properties:	No data available
Solid/Gas Flammability:	No data available
Substance Groups Relevant Properties:	No data available
Miscibility:	No data available
Fat Solubility:	No data available
Conductivity:	No data available

Section 10: 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 11: 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:

Vinyl acetate; acetic acid ethenyl ester	a) acute toxicity	LC50 Inhalation, Rat, 4h = 11400 mg/m^3 (3680 ppm)
		LD50 Oral, Rat = 2920 mg/kg
		LD50 Oral, Rat = 2900 mg/kg
		LD50 Skin, Rabbit = 2335 mg/kg
		LD50 Skin, Rabbit = 2320 mg/kg

Substance(s) listed on the IARC Monographs:	Vinyl acetate; acetic acid ethenyl ester: Group 2B
Substance(s) listed as OSHA Carcinogen(s):	Vinyl acetate; acetic acid ethenyl ester
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):

Component	LC50 Fish (96h)
Vinyl acetate; acetic acid ethenyl ester	P. promelas 14 mg/L (EPA); L. macrochirus 15.04 mg/L (EPA); P. reticulata 26.1 mg/L (EPA)

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)	Section
Vinyl acetate; acetic acid ethenyl ester	8b

Superfund Amendments and Reauthorization Act (SARA)

Section 302 – Extremely Hazardous Substances: Vinyl acetate; acetic acid ethenyl ester
Section 304 – Hazardous Substances: Vinyl acetate; acetic acid ethenyl ester
Section 313 – Toxic Chemical List: Vinyl acetate; acetic acid ethenyl ester

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

Listed Substance(s)	Reportable Quantity
Vinyl acetate; acetic acid ethenyl ester	5000 lbs.

Clean Air Act (CAA)

Listed Substance(s):
Vinyl acetate; acetic acid ethenyl ester [§112(b) – HAP; §112(b) – HON]

Clean Water Act (CWA)

Listed Substance(s): Vinyl acetate; acetic acid ethenyl ester (§311)

USA – State Regulations

California Proposition 65:	No substances listed
Massachusetts RTK:	Vinyl acetate; acetic acid ethenyl ester
New Jersey RTK:	Vinyl acetate; acetic acid ethenyl ester
Pennsylvania RTK:	Vinyl acetate; acetic acid ethenyl ester

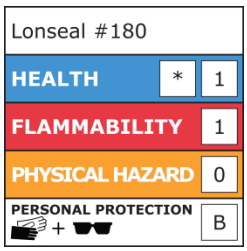
Canada – Federal Regulations

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

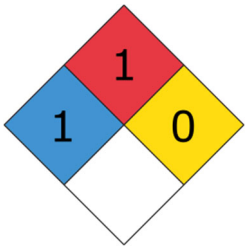
Section 16: Other Information

Additional Classification Information:

HMIS:



NFPA:



Full Text of GHS Hazard Statements from Section 3:

H225	Highly flammable liquid and vapor.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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 relatief 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-Konzentrazion (Maximum Workplace Concentration)
MARPOL	Maritime Pollution
mfg.	Manufacturer
mg	Milligram(s)
min	Minute(s)
mL	Milliliter(s)
mPa	Millipasacal(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:

6.1.2015	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.
8.5.2019	SDS formatting updated and information revised to match the most current SDS from the manufacturer. HMIS and NFPA symbols replaced the listed values under Section 16.
2.18.2020	Minor typo corrections.
3.13.2020	Minor formatting change to table in Section 12. Updated abbreviations list under Section 16.
2.23.2023	Information updated to match the most current SDS from the manufacturer.