

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 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 1B: H350 May cause cancer if inhaled.
Reproductive Toxicity, Category 2: H361 Suspected of damaging fertility or the unborn child.

2.2 Label Elements

Signal Word: DANGER

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*
n-HEXANE	110-54-3	0.49 – 1	Flam. Liq. 2: H225 Asp. Haz. 1: H304 Skin Irrit. 2: H315 STOT SE 3: H336 Repr. Tox. 2: H361 STOT RE 2: H373 Aquatic Chronic 2: H411
Naphthenic Oil	64742-95-6	0.49 – 1	Flam. Liq. 3: H226 Asp. Haz. 1: H304 Carc. 1B: H350
Vinyl acetate	108-5-4	0.1 – 0.25	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 (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

Not noted by mfg.

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.
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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control Parameters**

List of components with OEL value:

Component	Type	Long Term	Short Term	Behavior	Note
n-HEXANE	ACGIH	50 ppm			Skin – Potential significant contribution to overall exposure by the cutaneous route; CNS impairment; eye irritation peripheral neuropathy
	EU	72 mg/m ³ (20 ppm)		Indicative	
	OSHA	1800 mg/m ³ (500 ppm)			
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/m ³ (10 ppm)	Indicative	
	MAK (Switzerland)	35 mg/m ³ (10 ppm)			

Biological Exposure Index

Component	Value	UoM	Medium	Biological Indicator	Sampling Period
n-HEXANE	0.4	mg/L	Urine	Hexanedione	End of turn; end of working week

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.

Respiratory Protection: Use adequate protective respiratory equipment.

Skin Protection: Use clothing that provides comprehensive protection to the skin (e.g. cotton, rubber, PVC, or Viton).

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid paste
Color:	White
Odor:	Latex-like
Melting Point/Freezing Point:	n/a
Boiling Point [or Initial Boiling Point and Range]:	n/a
Flammability:	Not noted by mfg.
Lower Explosion Limit:	n/a
Upper Explosion Limit:	n/a
Flash Point:	>94 °C (201.2 °F)
Auto-Ignition Temperature:	n/a
Decomposition Temperature:	n/a
pH:	9.00
Kinematic Viscosity:	n/a
Solubility (in water):	n/a
Partition Coefficient (n-octanol/water):	n/a
Vapor Pressure:	n/a
Density [or Relative Density]:	Not noted by mfg.
Relative Vapor Density:	n/a
Particle Characteristics:	Not noted by mfg.
Odor Threshold:	n/a
Solubility (in oil):	n/a
Explosive Properties:	n/a
Oxidizing Properties:	n/a
Solid/Gas Flammability:	n/a
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 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:

n-HEXANE	a) acute toxicity	LC50 Inhalation, Rat, 4h = 48000 ppm LD50 Skin, Rabbit = 3000 mg/kg
Naphthenic oil	a) acute toxicity	LC50 Inhalation, Rat, 4h = 3400 ppm LD50 Skin, Rabbit >2000 mg/kg
Vinyl acetate	a) acute toxicity	LC50 Inhalation, Rat, 4h = 11400 mg/m ³ (3680 ppm) LD50 Oral, Rat = 2900 mg/kg LD50 Skin, Rabbit = 2320 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:	Vinyl acetate, Group 2B
Substance(s) listed as OSHA Carcinogen(s):	Vinyl acetate
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)	EC50 Daphnia (48h)	LC50 Avian	LC50 Avian (5d)
n-HEXANE	P. promelas 21 mg/L (EPA)			
Naphthenic oil	O. mykiss 922 mg/L (IUCLID)	D. magna 614 mg/L (IUCLID)	C. virginianus >2250 mg/kg (IUCLID)	C. virginianus >6500 ppm (IUCLID)
Vinyl acetate	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**

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
n-HEXANE	8b
Naphthenic oil	8b
Vinyl acetate	8b

Superfund Amendments and Reauthorization Act (SARA)

Section 302 – Extremely Hazardous Substances: Vinyl acetate

Section 304 – Hazardous Substances: n-HEXANE, Vinyl acetate

Section 313 – Toxic Chemical List: n-HEXANE, Vinyl acetate

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

Listed Substance(s)	Reportable Quantity
n-HEXANE	5000 lbs.
Vinyl acetate	5000 lbs.

Clean Air Act (CAA)**Listed Substance(s):**

n-HEXANE [§112(b) – HAP; §112(b) – HON]

Vinyl acetate [§112(b) – HAP; §112(b) – HON]

Clean Water Act (CWA)

Listed Substance(s): Vinyl acetate (§311)

USA – State Regulations

California Proposition 65:	No substances listed
Massachusetts RTK:	n-Hexane, Vinyl acetate
New Jersey RTK:	n-Hexane, Vinyl acetate
Pennsylvania RTK:	n-Hexane, Vinyl acetate

Canada – Federal Regulations

Domestic Substances List (DSL): All the substances are listed in the DSL

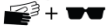
Non-Domestic Substances List (NDSL): No substances listed

National Pollutant Release Inventory (NPRI): No substances listed

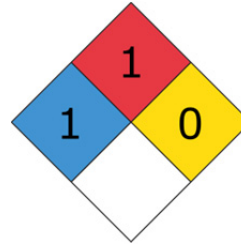
SECTION 16: OTHER INFORMATION

Additional Classification Information:

HMIS:

Lonseal #180	
HEALTH	* 1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION 	B

NFPA:



Full Text of GHS Hazard Statements from Section 3:

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
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 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)
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)
mL	Milliliter(s)
mPa	Millipascal(s)
Muta.	Germ Cell Mutagenicity
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
n.o.s.	Not Otherwise Specified
OEL	Occupational Exposure Limits
OSHA	Occupational Safety and Health Administration
Pa	Pascal(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.