



Safety Data Sheet

Section 1 – Identification of the Mixture and of the Company

Product Identification

Primary Identifier(s) Used on the Label

Berryman *TIRE SEAL-R*

Product Synonym(s)

blend "Seal-R"

Product Number(s)

1301, 1304, 1305, 1308, 1316, 1332, and 1355

Relevant Identified Uses and Uses Advised Against

Recommended Uses

pneumatic tire and tube sealant

Uses Advised Against

not for use in some applications

Manufacturer/Supplier Details

Berryman Products, Inc.

3800 E Randol Mill Rd

Arlington, TX 76011

(800) 433-1704 (USA/Canada)

(817) 640-2376 (international)

www.BerrymanProducts.com

Emergency 24-Hour Telephone Number(s) – InfoTrac, Inc.

(800) 535-5053 (USA/Canada)

(352) 323-3500 (international)

Section 2 – Hazards Identification

Classification of the Substance or Mixture (29 CFR 1910.1200)

not classifiable for health or physical hazards

Allocation of Label Elements

Chemical Identity

Berryman *TIRE SEAL-R*

Pictograms

none required

Signal Word

WARNING

Hazard Statements

none known

Prevention Precautionary Statements

P101 – Keep out of reach of children.

P102 – Read label before use.

Response Precautionary Statements

none

Storage Precautionary Statements

none

Disposal Precautionary Statements

none

Hazards Not Otherwise Classified

none known

Section 3 – Composition/Information on Ingredients

<u>Component</u>	<u>CAS RN</u>	<u>Weight</u>
contains no reportable ingredients		

Section 4 – First Aid Measures

Description of First Aid Measures

Ingestion

Drink 1-2 glasses of fruit juice, milk, or water. Call poison control center, hospital emergency room, or doctor if you feel unwell.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin Contact

Immediately take off all contaminated clothing. Rinse skin with water or shower.

Inhalation

Remove person to fresh air and keep comfortable. If experiencing respiratory symptoms or if breathing is difficult, administer oxygen and call poison control center, hospital emergency room, or doctor.

Most Important Symptoms and Effects

Acute/Immediate

none known

Delayed

none known

Indications of Need for Immediate Medical Attention and Specific Treatment Required

Indications of Need for Immediate Medical Attention

none known

Specific Treatment and Notes to Physician

no additional information available

Section 5 – Firefighting Measures

Fire Extinguishing Media

Support for Combustion

Product does not support combustion as-supplied.

Suitable Extinguishing Media

water spray, water fog, dry chemical, alcohol-resistant foam, or carbon dioxide

Unsuitable Extinguishing Media

none known

Special Hazards/Considerations

Combustion Products

Combustion of dehydrated product in the presence of air may yield hydrocarbons, carbon monoxide, carbon dioxide, and organic oxygenates.

Special Protective Equipment and Precautions for Firefighters

Special Protective Equipment

Firefighters should employ SCBA and full protective gear, including shield, as product may vent, rupture, or explode violently at elevated temperatures.

Precautions and Procedures

Vapors heavier than air. Remove product from area if safe to do so. Use water spray to cool nearby containers.

Additional Information

National Fire Protection Association (NFPA)

flammable liquid classification: none—product does not support combustion as-supplied

Section 6 – Accidental Release Measures

Personal and Environmental Precautions

Personal Precautions

Spills may be extremely slippery.

Environmental Precautions

Avoid release to the environment. Prevent contamination of ground water.

Materials and Methods for Containment

Small Spills

Use socks/absorbent mini-booms or other inert barrier if necessary to contain small spills.

Large Spills

Utilize large socks/absorbent booms or other inert barrier to form dam/dike in order to contain spill and prevent further loss.

Materials and Methods for Cleanup

Small Spills

Remove source from area if safe to do so. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb spilled material. Other useful supplies may include a mop and mop bucket. Remediate affected area as necessary.

Large Spills

Use a mop and mop bucket or mechanical transfer equipment to recover spilled material. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb residual material. Remediate affected area as necessary.

Section 7 – Handling and Storage

Precautions for Safe Handling

Personal Precautions

no special requirements

Environmental Precautions

Avoid release to the environment.

Conditions and Considerations for Safe Storage

Keep out of reach of children.

Section 8 – Exposure Controls/Personal Protection

<u>Component</u>	<u>CAS RN</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
none	N/A	N/A	N/A

Exposure Controls

Appropriate Engineering Controls

If practical, use outside with adequate ventilation to minimize exposure.

PPE Overview

Hand Protection

Use of gloves is recommended.

Eye Protection

Use of safety glasses with wrap-around lens or goggles is recommended.

Respiratory Protection

Not required until normal conditions of use. If necessary, use respiratory protection to minimize exposure.

Additional Protection

For industrial settings, access to a chemical safety shower with eye wash station is strongly recommended.

Section 9 – Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State

liquid

Appearance

opaque, orange

Odor

practically odorless

Odor Threshold

N/A

pH

8 - 9

Freezing Point

< 0°F

Boiling Range

212 - 370°F

Flash Point and Method

none, as supplied, by closed-cup tester

Explosion Limits in Air

1.2 - 6.7% by volume

Evaporation Rate

0.2 (n-Butyl Acetate=1.0)

Vapor Pressure, as supplied

9.3 mm of Hg at 68°F

Vapor Density

>1.0

Specific Gravity

1.016 at 68°F

Density

8.46 lb/gal at 68°F

Water Solubility

Infinitely reducible

n-Octanol/Water Partition Coefficient (log P_{ow})

-1.7 (composite)

Viscosity

1200 cSt at 68°F

Volatility

95% by weight

Auto-ignition temperature

unknown

Other Information

VOC Content

0% by weight (consumer products)

VOC Composite Partial Pressure, PPC

0.0 mm of Hg at 68°F

Section 10 – Stability and Reactivity

Chemical Stability under Normal Conditions of Use

Chemical Stability

Stable under normal conditions of use.

Conditions Affording Instability

none known

Reactivity

not expected

Possibility of Hazardous Reactions

none known

Conditions to Avoid

none specific

Incompatible Materials

strong acids; oxidizers; reducing agents; and powdered zinc, aluminum, magnesium, potassium, and sodium

Hazardous Decomposition Products

none known

Section 11 – Toxicological Information

Likely Routes of Exposure

ingestion

Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Ingestion

Large Quantity

gastrointestinal disturbances, including upset stomach and cramping

Small Quantity/Incidental Contact

virtually nontoxic after single ingestion of small quantity

Skin Contact

virtually nontoxic after single skin contact

Eye Contact

virtually non-irritating after eye contact

Inhalation

virtually nontoxic by short-term inhalation

Immediate, Delayed, and Chronic Effects

SHORT-TERM EXPOSURE

Potential Immediate Effects

Ingestion

none known

Skin Contact

none known

Eye Contact

none known

Inhalation

none known

Potential Delayed Effects

Ingestion

none known

Skin Contact

none known

Eye Contact

none known

Inhalation

none known

LONG-TERM EXPOSURE

Potential Immediate Effects

none known

Potential Delayed Effects

none known

Potential Chronic Health Effects

Carcinogenicity

International Agency for Research on Cancer (IARC) Monographs

all components either “Group 3 – Not Classifiable as to Human Carcinogenicity” or not listed

National Toxicology Program (NTP) Report on Carcinogens

not listed

Occupational Safety & Health Administration (OSHA)

not listed

Mutagenicity / Genetic Toxicity

not suspected of being a human mutagen / genetic toxicant

Teratogenicity

not suspected of being a human teratogen

Developmental Effects

not suspected of being a developmental toxicant

Fertility Effects

not suspected of being a reproductive/fertility toxicant

Effects on Lactation

not suspected of affecting lactation

SPECIFIC TARGET ORGAN TOXICITY (STOT)

Single Exposure

none known

Repeated Exposure

none known

Numerical Measures of Acute Toxicity

Oral (Rat)

LD₅₀: >10000 mg/kg (derived)

Dermal (Rabbit)

LD₅₀: >10000 mg/kg (derived)

Inhalation (Rat)

LC₅₀: >100 mg/L (derived)

Additional Toxicological Information

Skin Irritation/Corrosion (Rabbit)

not irritating to skin

Serious Eye Damage/Irritation (Rabbit)

not irritating to eyes

Respiratory Sensitization

does not cause respiratory sensitization

Skin Sensitization

does not cause skin sensitization

Aspiration Hazard

not an aspiration hazard

Section 12 – Ecological Information

General Ecological Assessment/Overview

Very mobile in soils which may lead to contamination of groundwater.

Aquatic Toxicity

Vertebrates (Fish)

Acute Toxicity

LC₅₀: >1000 mg/L (derived)

Chronic Toxicity

NOEC: >1000 mg/L (derived)

Invertebrates (Water Flea)

Acute Toxicity

LC₅₀: >1000 mg/L (derived)

Chronic Toxicity

NOEC: >1000 mg/L (derived)

Aquatic Plants (Freshwater Algae)

Acute Toxicity

EC₅₀: >1000 mg/L (derived)

Chronic Toxicity

NOEC: >1000 mg/L (derived)

Terrestrial Toxicity

Invertebrate (Earthworm)

LC₅₀: >1000 mg/L (derived)

Persistence and Degradability

Persistence

not expected to be persistent

Degradability

rapidly degradable

Bioaccumulative Potential

Bioaccumulation Potential Assessment

does not bioaccumulate

Bioaccumulation Factor

0 (maximum of ingredients >1%)

Mobility in Soils

Mobility in Soils Assessment

very mobile in soils—may contaminate groundwater

Soil Organic Carbon/Water Partition Coefficient (log K_{oc})

-1.4 (composite)

Results of PBT and vPvB Assessment

not a persistent, bioaccumulative, toxic chemical (PBT); not very persistent or very bioaccumulative (vPvB)

Other Adverse Effects

none known

Section 13 – Disposal Considerations

General Assessment/Overview

Dispose of waste in accordance with all applicable regulations.

RCRA Hazardous Waste Code(s) (40 CFR 261.20-33)

may not be regulated as RCRA hazardous waste based on composition and flammability characteristics

Section 14 – Transportation Information

Transportation by Ground – US Department of Transportation

Shipping Description

not regulated by DOT

Transportation by Air – ICAO/IATA

Shipping Description

not regulated by ICAO

Transportation by Water – IMO/IMDG

Shipping Description

not regulated by IMO

Section 15 – Regulatory Information

Safety, Health, and Environmental Regulations/Legislation

UNITED STATES – SELECT FEDERAL REGULATIONS

Environmental Protection Agency (EPA)

Toxic Substances Control Act (TSCA) (15 USC 2601, et seq.)

All chemicals known to be present in this product are either listed on the TSCA inventory or are not required to be.

SARA Title III (42 USC 9601, et seq.)

Section 302 – Extremely Hazardous Substances (40 CFR 355)

none

Section 304 – Emergency Release Notification (40 CFR 302.4)

none

Section 311/312 – Hazard Categorization (40 CFR 370.40)

none

Section 313 – Toxic Chemicals (40 CFR 372.65)

none

Clean Air Act (42 USC 7401, et seq.)

Section 112 – Hazardous Air Pollutants

no hazardous air pollutants

Section 183(e) – Commercial and Consumer Products – VOC Limit and Category (40 CFR 59 subpart C)

not regulated

Occupational Safety & Health Administration (OSHA)

Hazard Communication Standard

This safety data sheet (SDS) is provided for compliance with applicable regulations of the Hazard Communication Standard of 2012 (HCS/HAZCOM 2012) found in §29 CFR 1910.1200. Federal law requires persons receiving this document to study it carefully, become aware of the hazards of this product, and notify all employees, visitors, agents, and contractors of the information contained herein.

Consumer Product Safety Commission

Federal Hazardous Substances Act

This product is regulated under the Federal Hazardous Substances Act, is subject to the labeling requirements of 16 CFR 1500, and must include at minimum the following cautionary statements: WARNING: Keep out of the reach of children.

UNITED STATES – SELECT REGIONAL CONSIDERATIONS

Ozone Transport Commission (OTC) – Model Rule VOC Limit and Category

not regulated

Lake Michigan Air Directors Consortium (LADCO) – Model Rule VOC Limit and Category

not regulated

UNITED STATES – SELECT STATE REGULATIONS

California

Office of Environmental Health Hazard Assessment (OEHHA)

Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65)

This product is not subject to the labeling requirements of Prop 65.

Air Resources Board (ARB/CARB)

Regulation for Reducing Emissions from Consumer Products – VOC Limit and Category

not regulated

Massachusetts

“Right-to-Know” Legislation – Substance List (105 CMR 670.000)

None

New Jersey

"Right-to-Know" Legislation – Hazardous Substance List (34:5A-1, et seq.)

none

Pennsylvania

"Right-to-Know" Legislation – Hazardous Substance List (Chapter 323)

none

INTERNATIONAL – SELECT REGULATIONS

Canada

Environment Canada – Domestic Substances List (DSL)

All chemicals known to be present in this product are listed on the DSL.

China

Ministry of Environmental Protection – Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)

All chemicals known to be present in this product are listed on the IECSC.

European Union

European Chemical Agency – European Inventory of Existing Chemical Substances (EINECS)

All chemicals known to be present in this product are listed on the EINECS.

Chemical Safety Assessment

has not been conducted on product, as-supplied

Section 16 – Other Information

Hazardous Materials Information System (HMIS)

Health	0	<u>Hazard Index</u> Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4
Flammability	1	
Reactivity	0	
Protective Equipment	B	

Index of Abbreviations

ACGIH – American Council of Governmental and Industrial Hygienists

CAS RN – Chemical Abstracts Service Registry Number

EC₅₀ – Median Effective Concentration

IATA – International Air Transport Association

ICAO – International Civil Aviation Organization

IMDG – International Maritime Dangerous Goods

IMO – International Maritime Organization

LC₅₀ – Median Lethal Concentration

LD₅₀ – Median Lethal Dose

N/A – Not Applicable

NE – Not Established

NOEC – No Observable Exposure Concentration

PEL – Permissible Exposure Limit (as required by OSHA)

TLV – Threshold Limit Value (as recommended by ACGIH)

VOC – Volatile Organic Compound

Relevant Dates and Applicability

Date of Issuance

May 29, 2015

Date of Previous Revision

not applicable—initial Safety Data Sheet

Primary Revision Change(s)

not applicable

Document Applicability

This safety data sheet only applies to part #s 1301, 1304, 1305, 1308, 1316, 1332, and 1355 manufactured on or after January 1, 2015.

Document Author

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Legal Disclaimer

The information contained in this document is, to the best of Berryman Products, Inc.'s knowledge, complete and accurate but is not warranted. All materials may present unknown hazards and should be used with caution. It is the responsibility of the user to evaluate the information in a prudent manner and to use it in a manner consistent with its intended purpose. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.