



SAFETY DATA SHEET

Armor-Dilloz Bead Buddy Tire Bead Lubricant

Version 1.0

Revision: 2026-06-22

Supersedes: New document

1. Identification

Product identifier	Armor-Dilloz Bead Buddy - Tire Bead Lubricant
Other means of identification	Bead Buddy; Armor-Dilloz Bead Buddy; Tire bead lubricant / mounting aid
Product code	Not assigned
Recommended use	Water-based lubricant and mounting aid for seating pneumatic tire beads during tire service.
Restrictions on use	Use only as directed. Do not ingest. Not intended as a tire sealant, adhesive, structural tire repair material, food, cosmetic, or medical product.
Manufacturer / responsible party	Armor-Dilloz 11530 NE 13th Ave Miami, FL 33161 United States
Product information	Phone: +1-786-453-1760 Email: teamdilloz@armor-dilloz.com
Emergency telephone number	For exposure emergencies, call Poison Control at +1-800-222-1222 or call 911. Product emergency information: +1-786-453-1760.

2. Hazard(s) Identification

OSHA HCS classification	Physical hazards: Not classified. Health hazards: Not classified. Hazards classified under 29 CFR 1910.1200(d)(1)(ii): None known. Overall classification: Not classified as hazardous under OSHA Hazard Communication Standard, 29 CFR 1910.1200, based on the water-rich finished mixture and known additive concentrations.
GHS label elements	Pictograms: None required Signal word: None required Hazard statements: None required
Precautionary statements	Avoid contact with eyes and prolonged skin contact. Wash hands after handling. Do not ingest. Keep out of reach of children. Use with adequate ventilation.
Hazards not otherwise classified	Spilled product may create a slip hazard. Pure dry sodium nitrate raw material is an oxidizing solid; this finished aqueous product is not classified as an oxidizer.
Unknown acute toxicity	Not applicable; the mixture is not classified for acute toxicity based on known constituents and formulation information.

3. Composition/Information on Ingredients

Chemical characterization	Water-based proprietary tire bead lubricant / mounting aid.
Known composition profile	Water-based blend of PPG, PEG, glycerin, low-level dish-liquid surfactants, xanthan/cellulose thickeners, sodium nitrate preservative, and trace bitterant.

Hazardous ingredients	No classified health-hazard ingredients are present above OSHA disclosure/classification thresholds in the finished mixture based on current formulation information.
Thickener / preservative profile	Dry blend includes xanthan gum, sodium carboxymethyl cellulose / CMC, methylcellulose / MC, and hydroxyethyl cellulose / HEC. Sodium nitrate (CAS 7631-99-4) is present at low concentration as a preservative / biostatic additive.
Bittering agent	Denatonium benzoate (CAS 3734-33-6) is present at trace/low concentration. Concentrated raw material may be harmful if swallowed and irritating to eyes, skin, and respiratory tract.
Proprietary ingredients	Specific concentrations, supplier surfactant details, thickener ratios, and other non-hazardous additives are proprietary and/or not present at reportable concentrations.
Ingredient note	PPG: CAS 25322-69-4; PEG: CAS 25322-68-3; glycerin: CAS 56-81-5. Retain supplier SDS for surfactants, cellulose thickeners, xanthan gum, sodium nitrate, and denatonium benzoate.

4. First-Aid Measures

General advice	If medical advice is needed, have the product container or this Safety Data Sheet available.
Inhalation	Move person to fresh air. Not an expected route of exposure under normal use. Seek medical advice if symptoms occur or persist.
Skin contact	Wash with soap and water. Remove contaminated clothing if needed. Seek medical advice if irritation or rash occurs.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Call Poison Control or a physician if unwell.
Most important symptoms/effects	May cause mild, temporary eye irritation. Prolonged skin contact may cause dryness or mild irritation.
Immediate medical attention	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray or fog, dry chemical, carbon dioxide, or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a high-pressure water stream if it may spread spilled material.
Specific hazards	Finished product is water-rich and not classified as flammable or oxidizing. Fire may produce carbon oxides, nitrogen oxides, and irritating fumes.
Fire-fighter protection	Wear full protective gear and self-contained breathing apparatus when fighting surrounding fires.

6. Accidental Release Measures

Personal precautions	Wear appropriate eye protection and gloves. Avoid contact with eyes and prolonged skin contact. Spilled product can create a significant slip hazard.
Emergency procedures	Ventilate the area. Keep unnecessary personnel away from the spill area.
Environmental precautions	Prevent large releases from entering drains, waterways, or soil.
Containment and cleanup	Contain release. Absorb with inert material and collect in a suitable container for disposal.

7. Handling and Storage

Precautions for safe handling	Use only as directed. Avoid splashing and eye contact. Do not eat, drink, or smoke during use.
Safe storage conditions	Store closed in a cool, dry place. Protect from freezing, excessive heat, contamination, and microbial spoilage.
Incompatibilities	Keep away from strong oxidizers, strong reducers, strong acids/bases, and reactive metals. Avoid drying nitrate-containing residues onto combustible absorbents.
Specific end use	Tire bead lubricant / mounting aid as described in Section 1.

8. Exposure Controls/Personal Protection

Control parameters	Finished liquid mixture: no product-specific OSHA PEL established. Glycerin mist, if aerosolized: OSHA PEL 15 mg/m ³ total particulate and 5 mg/m ³ respirable fraction TWA. PPG, PEG, sodium nitrate, xanthan gum, and cellulose ethers: no OSHA PEL established for normal finished-product use. During dry raw material handling, nuisance dust limits may apply.
Engineering controls	General ventilation is adequate for normal use. Use local ventilation if mist, aerosol, or dry thickener dust is generated during manufacturing.
Eye/face protection	Wear safety glasses or splash goggles when handling bulk quantities or when splashing is possible.
Skin protection	Wear protective gloves for prolonged or repeated contact. Wash exposed skin after handling.
Respiratory protection	Not normally required under intended use. Use appropriate respiratory protection if mist, aerosol, or dry powder exposure cannot be controlled by ventilation.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical state	Viscous liquid / gel.
Color	Clear to slightly cloudy.
Odor	Mild soap/surfactant odor.
Odor threshold	No applicable information available.
Melting point/freezing point	No applicable information available; protect from freezing.
Boiling point/range	No applicable information available; water-rich mixture.
Flammability	Not classified as flammable.
Explosion limits	Not applicable.
Flash point	Not determined for the mixture; water-rich product is not classified as flammable.
Auto-ignition temperature	No applicable information available.
Decomposition temperature	No applicable information available.
pH	No applicable information available for the finished mixture.
Kinematic viscosity	No applicable information available; product is viscous.
Solubility	Dispersible/miscible in water.

Partition coefficient	No applicable information available.
Vapor pressure/evaporation	No applicable information available.
Density / relative density	No applicable information available for the finished mixture.
Relative vapor density	No applicable information available.
Particle characteristics	Not applicable to a liquid mixture.

10. Stability and Reactivity

Reactivity	No dangerous reaction known under normal conditions of use and storage.
Chemical stability	Stable under recommended handling and storage conditions.
Possibility of hazardous reactions	None known under normal finished-product use. Dry sodium nitrate raw material can intensify fire; follow its supplier SDS.
Conditions to avoid	Avoid freezing, excessive heat, contamination, and drying large quantities onto combustible absorbents.
Incompatible materials	Strong oxidizing agents, strong reducing agents, strong acids, strong bases, and reactive metals.
Hazardous decomposition products	Carbon oxides, nitrogen oxides, and irritating fumes may be produced under fire conditions.

11. Toxicological Information

Likely routes of exposure	Eye contact, skin contact, ingestion, and inhalation of mist or aerosol.
Acute toxicity	Not classified based on available information. Principal liquid constituents are generally low acute-toxicity materials at formulation concentrations; denatonium benzoate is present only as a trace/low-concentration bitterant.
Skin corrosion/irritation	Not classified. Prolonged or repeated contact may cause mild irritation or dryness.
Serious eye damage/irritation	Not classified. Direct contact may cause mild, temporary irritation due to surfactants.
Respiratory or skin sensitization	Not classified; no applicable information available.
Germ cell mutagenicity	Not classified; no applicable information available.
Carcinogenicity	No components known to be listed as carcinogens by OSHA, IARC, or NTP at reportable concentrations.
Reproductive toxicity	Not classified; no applicable information available.
STOT - single exposure	Not classified; no applicable information available.
STOT - repeated exposure	Not classified; no applicable information available.
Aspiration hazard	Not classified; no applicable information available.
Symptoms	Possible temporary eye irritation; possible skin dryness with repeated contact.

12. Ecological Information

Ecotoxicity	Not expected to be environmentally hazardous under normal use; avoid large releases.
Environmental note	Large releases may affect aquatic systems; avoid waterways.

Persistence and degradability	No applicable information available for the mixture.
Bioaccumulative potential	No applicable information available for the mixture.
Mobility in soil	Water-soluble/dispersible components are expected to be mobile in the environment.
Other adverse effects	No applicable information available.

13. Disposal Considerations

Waste residues	Dispose of contents in accordance with local, state, and federal regulations.
Contaminated packaging	Empty containers should be rinsed and recycled or disposed of according to applicable regulations.
Disposal note	The waste generator is responsible for determining the proper waste classification at the time of disposal. Avoid releasing large quantities to drains or waterways.

14. Transport Information

UN number	Not regulated.
UN proper shipping name	Not regulated.
Transport hazard class(es)	Not regulated by US DOT, TDG, IMDG, or IATA/ICAO as the finished aqueous product.
Packing group	Not applicable.
Environmental hazards	Marine pollutant: No.
Transport in bulk	Not applicable.
Special precautions	Keep containers closed and upright. Protect from freezing, heat, leakage, and damage. Pure dry sodium nitrate is regulated separately as an oxidizer.

15. Regulatory Information

U.S. OSHA Hazard Communication	Not classified as hazardous under 29 CFR 1910.1200 based on the finished mixture.
TSCA	Listed/exempt status should be maintained in supplier/formulation records; no TSCA restriction identified from current formulation information.
SARA 302	No components known to be subject to reporting requirements.
SARA 313	Sodium nitrate is a water-dissociable nitrate compound in aqueous solution and may be subject to EPCRA Section 313 if facility thresholds are exceeded. It is present at low preservative concentration; retain formula/use-volume records.
SARA 311/312	No hazard categories for the finished mixture.
CERCLA	No reportable quantity known for the finished mixture.
California Proposition 65	Not known to contain California-listed chemicals at levels requiring a warning.
State Right-to-Know	Potential state-listed constituents include glycerin (CAS 56-81-5), sodium nitrate (CAS 7631-99-4), and denatonium benzoate (CAS 3734-33-6). Retain supplier records.

16. Other Information, Including Date of Preparation or Last Revision

Prepared by	Armor-Dilloz.
Version	1.0
Revision date	2026-06-22
Supersedes	New document.
Classification basis	Reviewed against OSHA HCS health and physical hazard criteria for a water-rich, non-aerosol, non-pressurized liquid/gel mixture. Known constituents and additive concentrations do not identify a required GHS/OSHA hazard category for the supplied finished product.
Revision summary	Initial Bead Buddy SDS prepared in the same format as current Armor-Dilloz SDS documents. Includes low-concentration sodium nitrate preservative, trace denatonium benzoate bitterant, dish-liquid surfactant blend, PPG/PEG/glycerin base, and xanthan/cellulose thickener profile.
Disclaimer	The information is based on present knowledge and is believed accurate for the product identified. Users are responsible for suitability, handling, and legal compliance. Armor-Dilloz makes no warranty, express or implied.