

## Safety Data Sheet

**Product No. 18060 Araldite 502**

**Issue Date (12-06-13)**

**Review Date (12-26-14)**

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### Section 1: Product and Company Identification

**Product Name: Araldite 502**

Synonym: Araldite GY 502

#### Company Name

**Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477**

**Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)**

**Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.**

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### Section 2: Hazard Identification

Classification of the substance or mixture

GHS Pictograms:



GHS Categories:

H360 May damage fertility or the unborn child.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

**Signal Word: ND**

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Toxic: May cause harm to the unborn child.

Harmful: Possible risk of impaired fertility.

Irritant: Irritating to eyes and skin. May cause sensitisation by skin contact.

Dangerous for the environment: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment: The product has to be labeled due to the calculation procedure of international guidelines.

#### Risk phrases:

May cause harm to the unborn child.

Irritating to eyes and skin.

May cause sensitisation by skin contact.

Possible risk of impaired fertility.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:**

Avoid exposure - obtain special instructions before use.

Avoid contact with skin.

Wear suitable gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Use appropriate container to avoid environmental contamination.

**Health Effects:**

NFPA Hazard Rating: Health: 1; Fire: 1; Reactivity: 0

HMIS® Hazard Rating: Health: 1; Fire: 1; Reactivity: 0

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A Chemical Safety Assessment has not been carried out.

PBT: NA

vPvB: NA

**Emergency overview**

Appearance: Liquid

Immediate effects: ND

**Potential health effects**

Primary Routes of entry: Skin and eye contact, Inhalation, Ingestion

Signs and Symptoms of Overexposure: ND

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: ND

Inhalation: ND

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: None listed

See Toxicological Information (Section 11)

**Potential environmental effects**

See Ecological Information (Section 12)



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**Section 3: Composition / Information on Ingredients**

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous addition

<b>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</b>	<b>%</b>	<b>OSHA PEL mg/m3</b>	<b>ACGIH TLV mg/m3</b>	<b>NTP</b>	<b>IARC</b>	<b>OSHA regulated</b>
Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin	50- 100	NE	NE	No	No	No

(25068-38-6)  H315; H319; H317						
Dibutyl phthalate (84-74-2)  H360 SVHC: 84-74-2 Dibutyl phthalate	10-25	5	5	No	No	No

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#### Section 4: First Aid Measures

##### If accidental overexposure is suspected

Eye(s) Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

Ingestion: If symptoms persist consult doctor.

##### Note to physician

Treatment: ND

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

Medical Conditions generally Aggravated by Exposure: ND

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#### Section 5: Fire Fighting Measures

Flash Point: 188 °C

Flammability (solid, gaseous): Not flammable.

Flammable Limits: Lower: 0.1 Vol %, Upper: 2.0 Vol %

Auto-ignition point: Product is not self-igniting.

Ignition temperature: 390 °C.

Fire Extinguishing Media: Use firefighting measures that suit the environment.

Special Fire Fighting Procedures: No further relevant information available.

Unusual Fire and Explosion Hazards: Product does not present an explosion hazard.

Hazardous combustion products: ND

DOT Class: 9

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#### Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Personal precautions, protective equipment and emergency procedures Not required.

Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

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### **Section 7: Handling and Storage**

Precautions to be taken in Handling and Storage: Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care. Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities:

Storage: · Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

Storage temperature: Room Temperature.

Storage Pressure: NA

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### **Section 8: Exposure Controls / Personal Protection**

#### **Engineering Controls**

Ventilation required: Use with good ventilation.

#### **Personal Protection Equipment**

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store any protective clothing separately. Avoid contact with the eyes and skin.

Respiratory protection: Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protective gloves: Wear protective gloves.

Skin protection: Wear gloves and protective clothing.

Eye protection: Tightly sealed goggles.

Additional clothing and/or equipment: ND

#### **Exposure Guidelines**

See Composition/Information on Ingredients (Section 3)

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### **Section 9 Physical and Chemical Properties**

Appearance and Physical State: Light colored liquid.

Odor (threshold): Characteristic (Not determined)

Specific Gravity (H<sub>2</sub>O=1): ND

Vapor Pressure (mm Hg): ND

Vapor Density (air=1):

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: 340 °C

Freezing point / melting point: ND

pH: ND

Solubility in Water: Not miscible or difficult to mix.

Molecular Weight: NA

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### **Section 10: Stability and Reactivity**

Stability: Stable.

Conditions to Avoid: No further relevant information available.

Materials to Avoid (Incompatibility): No further relevant information available.

Hazardous Decomposition Products: No decomposition if used according to specifications.

Hazardous Polymerization: Possibility of hazardous reactions; No dangerous reactions known.

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### **Section 11: Toxicological Information**

Results of component toxicity test performed:

Acute toxicity: LD/LC50 values that are relevant for classification: 84-74-2 Dibutyl phthalate

Oral LD50 8000 mg/kg (rat), Dermal LD50 20000 mg/kg (rabbit)

Primary irritant effect: On the skin: Irritant to skin and mucous membranes. On the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.

Carcinogenic categories:

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

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### **Section 12: Ecological Information**

Ecological Information:

#### **Toxicity**

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Ecotoxic effects:

Remark: Toxic for fish.

Additional ecological information:

General notes: Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

Chemical Fate Information: ND

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### **Section 13 Disposal Considerations**

RCRA 40 CFR 261 Classification: ND

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

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### **Section 14: Transportation Information**

US DOT Information: Proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700), Dibutyl phthalate)

Hazard Class: 9

Packaging group: III

UN Number: UN3082

Limitations: DOT regulated only for non-bulk shipments in containers greater than or equal to 62.5lbs. Dibutyl Phthalate: RQ = 10 lbs (4.54 kg).

IATA: Proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700), Dibutyl phthalate).

Hazard Class: 9

Packing group: III

UN Number: UN3280

Marine Pollutant: Yes

Canadian TDG: Environmentally hazardous substances, liquid, n.o.s. (reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight  $\leq$  700), Dibutyl phthalate).

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### **Section 15: Regulatory Information**

#### **United States Federal Regulations**

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: Section 355 (extremely hazardous substances): None of the ingredients is listed

SARA Title III: Section 313 (Specific toxic chemical listings): 84-74-2 Dibutyl phthalate

RCRA: ND

TSCA: All ingredients are listed.

CERCLA: Dibutyl Phthalate: RQ = 10 lbs (4.54 kg).

#### **State Regulations**

California Proposition 65:

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: 84-74-2 Dibutyl phthalate.

Chemicals known to cause reproductive toxicity for males: 84-74-2 Dibutyl phthalate

Chemicals known to cause developmental toxicity: 84-74-2 Dibutyl phthalate

#### **International Regulations**

Canada WHMIS: D2A - Very toxic material causing other toxic effect

Europe EINECS Numbers: ND

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**Section 16: Other Information**

Label Information: Irritant, Health Hazard

European Risk and Safety Phrases: See Section 2

European symbols needed: Toxic, Dangerous for the environment.

Canadian WHMIS Symbols: Very toxic material causing other toxic effects

**Abbreviations used in this document**

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

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**Disclaimer**

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