

MSDS Material Safety Data Sheet

ATLAS

MSDS Number: 2220

ATLAS LPL EPOXY BONDER

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ATLAS TECH PRODUCTS

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Emergency Contacts & Phone

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Product Name: Atlas LPL Epoxy Bonder

MSDS Number: 2220

Product Code: Atlas LPL Epoxy Bonder

Product Use: Injection Resin

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COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Description: Mixture of the ingredients listed below with nonhazardous additions.

| Ingredients | CAS # | Chemical Name | Percent |
|-------------|----------|---------------------------------------|---------|
| Component A | 25068386 | Modified Bisphenol A/ Epoxy Resin | >90% |
| | 1317802 | TiO ₂ | <5% |
| | 1317653 | Coated Precipitated Calcium Carbonate | <5% |
| Component B | NE | | 100% |
| | 111400 | | |

| | CAS # | OSHA PEL | ACGUH TLV |
|-------------|----------|----------------------|---------------------|
| Component A | 25068386 | NE | NE |
| | 1317802 | 15 mm/m ³ | 10mg/m ³ |
| | 1317653 | 5mg/m ³ | 5mg/m ³ |
| Component B | NE | NE | NE |
| | 111400 | NE | NE |

NE = Not Established

None of the remaining components are considered a Hazardous Material or carcinogen (1910.1200 Hazard Communication (d) (4)).

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HAZARDS IDENTIFICATION

Classification system:

The classification system was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

**NFPA ratings (scale 0-4)**

Health = 3
Fire = 1
Reactivity = 1

HMIS II ratings (scale 0-4)

Health = 3
Fire = 1
Reactivity = 1

HMIS III ratings (scale 0-4)

Health = 3
Fire = 1
Physical Hazard = 1

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FIRST AID MEASURES

After inhalation: If respiratory irritation occurs, go to fresh air. Flood work area with fresh air. If irritation continues seek medical attention.

After skin contact: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention. SOLVENTS SHOULD NOT BE USED BECAUSE THEY CARRY THE MATERIAL INTO THE SKIN.

After eye contact: Flush eyes with plenty of water for at least 15 minutes. If necessary, gently hold open eyelids during the flush. Immediately seek medical attention.

After swallowing: Obtain immediate medical attention. Do not induce vomiting. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

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FIRE FIGHTING MEASURES

Flash Point: >200° F
Flash Point Method: Pensky Martins Closed Cup Method
Burning Rate: No data available
Autoignition Temperature: No data available
LEL: NA
UEL: NA

Special Fire Fighting Procedures: None. Avoid breathing smoke. NFPA Class B-C fire extinguisher (dry chemical, carbon dioxide or foam) for class 1c fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Use supplied breathing masks.

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ACCIDENTAL RELEASE MEASURES

Small spills: Absorb with an inert material (sand, vermiculite, etc.). Sweep or scoop and put into disposal containers. Flush area immediately with water (prevent from entering waterways).

Large spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.
Clean-up: Absorb with an inert material (sand, vermiculite, etc.). Sweep or scoop and put into disposal containers. Flush area immediately with water (prevent from entering waterways).
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area until cleanup has been completed.

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HANDLING AND STORAGE

Handling:

Information for safe handling: For professional use only. Avoid eye/skin contact. Wash after using and before eating or drinking. Avoid breathing vapors. Use as directed. Avoid uncontrolled mixing with other mixtures (strong acids, bases and oxidizers). Respiratory protection is required when ventilation is inadequate. NIOSH/OSHA approved respirators should be provided and worn.

Storage: Store in a cool/dry location. Do not allow material to freeze, as product may be damaged. Store away from sparks and open flames.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment: HMIS PP, H: Splash Goggles, Gloves, Apron, Vapor Respirator

Ventilation: Provide general or local exhaust systems to maintain airborne concentrations below OSHA PEL's. Local exhaust ventilation is preferred because it prevents contaminant dispersion into work areas by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear NIOSH/OSHA approved respirator. Select a respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen.

Protective Clothing/Equipment: Wear chemically protective gloves, boots and aprons to prevent prolonged or repeated skin contact. Wear protective goggles and face shield, per OSHA eye and face protection regulations (29 CFR 1910.133).

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your work shoes and clean personal protective equipment.

Other Precautions: Never eat, drink or smoke in work areas.

This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Route of Entry: Eyes, Skin, Ingestion, Inhalation

Target Organs: None known

Inhalation: May cause irritation to nose and throat.

Skin Contact: May cause irritation and dermatitis.

Eye Contact: May cause irritation, sensitization and may lead to eye damage.

Ingestion: May cause irritation of the mouth, stomach and sensitization.

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PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|---|----------------------------------|
| Form: | Liquid |
| Color: | A - Gray B - Amber |
| Odor: | A - Mild B - Strong Distinctive |
| pH: | No data available |
| Change in condition | |
| Melting Point/Melting range: | No data available |
| Boiling Point/Boiling range: | No data available |
| Flash point: | >200°F |
| Flash point method: | Pensky Martins Closed Cup Method |
| Auto igniting: | No data available |
| Vapor pressure at 100 °F | N/E |
| Density at Air =1 | >1 |
| Solubility: | |
| Specific Gravity/ Density(H ₂ O=1) | A = 1.14 B = 1.01 |
| Evaporation Rate:(Butyl Acetate =1) | Slower than Butyl Acetate |
| VOC: | 0 |

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STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable / Cured epoxy resins are innocuous |
| Conditions to to be avoided: | None known |
| Materials to avoid (incompatibility): | Strong oxidizers, acids and bases |
| Hazardous Decomposition products: | CO, CO2, NOX |
| Hazardous Polymerization: | Will not occur. |

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TOXICOLOGICAL INFORMATION

No data available.

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ECOLOGICAL INFORMATION

No data available.

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DISPOSAL CONSIDERATIONS

When disposed of properly, this material does not meet RCRA classification or listing for hazardous waste. Never dispose of a liquid into a landfill. Spilled material should be stabilized or solidified prior to disposal. Once stabilized/solidified, the material may be disposed of through normal means. Certain localities and state laws have specific disposal requirements for non-hazardous industrial chemicals. Consult municipal authorities, landfill personnel, disposal companies for details prior to any disposal activity. Always follow local, state and federal regulations.

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TRANSPORT INFORMATION

This material is regulated by Department of Transportation (DOT).

DOT Class: Corrosive (8) #8.

Proper Shipping Name: Amines, Liquid Corrosive, N.O.S. (aminopropyldiethanolamine) UN2735, Class 8 Corrosive, PG III.

Placards required only when shipping over 1,000 lbs.

Shipping Class: 55

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REGULATORY INFORMATION

This MSDS has been prepared in accordance with federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

HMIS Codes: Health (3) Flammability (1) Reactivity (1) PPE (H)

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OTHER INFORMATION

The information contained in this data sheet is furnished in good faith and without any warranty, representation, or inducement or license of any kind, except that it is accurate to the best of our knowledge, or was obtained from sources believed by us to be reliable. The accuracy, adequacy or completeness of health and safety precautions set forth herein cannot be guaranteed, and the buyer is solely responsible for ensuring the product used, handled, stored and disposed of safely and in compliance with applicable federal, state or provincial and local laws. Atlas Construction Supply, Inc. disclaims liability for any loss, damage or personal injury that arises from, or is in any way related to, use of the information contained in this data sheet.

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