

API-HS 100

Section 1. Product and Company Identification

Product Name: API-HS 100
Chemical Name/Family: Adhesive
CAS No.: Mixture
Product Use: Adhesive for heat seal applications
Restrictions: For Industrial Use Only
Company: Advanced Polymer.
Address: 400 Paterson Plank Road Carlstadt, NJ 07072 U.S.A.
Telephone: 201-933-0600
Fax: 201-933-8442
24 Hour Emergency Number 800-424-9300
24 Hour Chemtrec Number 800-424-9300

Section 2. Hazards Identification

GHS Classification:

| Hazard Class | Category |
|-----------------------------------|-----------------|
| Serious eye damage/eye irritation | Category 1 |
| Skin sensitization | Category 1 |

GHS Label:**Symbol:****Signal Word: Danger****Hazard Classification:****Hazard Statement:**

Causes serious eye damage
May cause an allergic skin reaction

Precautionary Statement:**Prevention**

Wash hands and contaminated skin thoroughly after handling.
Wear protective gloves / protective clothing / eye protection / face protection.
Avoid breathing dust / fumes / gas / mist / vapors / spray.
Contaminated work clothing should not be allowed out of workplace.

Response

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with plenty of soap and water.

Specific treatment (see supplemental first aid instructions on this SDS).

If skin irritation occurs: Get medical help.

Take off contaminated clothing and wash it before reuse.

Storage

No storage statement required under GHS however refer to Section 7 for current storage conditions

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards:

Section 3. Composition/Information on Ingredients

| Ingredients | CAS No. | Percent |
|---------------|----------|---------|
| Triethylamine | 121-44-8 | ≤4 |

Section 4. First Aid Measures

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| Skin Contact: | Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| 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. |
| Inhalation: | Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. |
| Ingestion: | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

Section 5. Firefighting Measures

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| Specific Hazards in Case of Fire: | In a fire or if heated, a pressure increase will occur and the container may burst. Avoid inhalation of material or combustion by-products (oxides of carbon, nitrogen oxides, dense black smoke, aldehydes and organic acids). |
| Fire Extinguishing Media: | Water spray, regular dry chemical, carbon dioxide, alcohol-resistant foam |
| Unsuitable Extinguishing Media: | No information available. |
| Special Protective Equipment and Precaution for Firefighters: | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire |

area if it can be done without risk. If you cannot, cool container and its surroundings with water spray. Firefighters should work from the windward side. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Unusual Fire & Explosion Hazards: Material can splatter above 100°C/212°F. Dried product can burn.

Section 6. Accidental Release Measures

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| Personal Precautions: | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| Protective Equipment: | Use personal protective equipment (e.g. protective gloves, chemical resistant clothing, safety glasses/goggles and respirator). |
| Environmental Precautions: | Discharge into the environment must be avoided. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods and Materials for Containment and Cleaning up: | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. For large spill, approach the release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g., sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. |

Section 7. Handling and Storage

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| Handling Conditions: | Put on appropriate personal protective equipment. Wear protective gloves / protective clothing / eye protection / face protection. Avoid breathing dust / fumes / gas / mist / vapors / spray. Use only outdoors or in a well-ventilated area. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Wash hands and uncovered body surface thoroughly after handling. Contaminated clothing should not be allowed out of the workplace. Remove contaminated clothing and protective equipment before entering eating areas. ***Agitate thoroughly before use.*** |
| Storage Conditions: | Store in accordance with local regulations. Store in a well ventilated area above 32°F (>0°C) preferably 40°F – 104°F (4°C – 40°C). Store in a dry, cool place away from incompatible materials. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid |

environmental contamination. Ventilation required along the floor. Store in original container, protected from direct sunlight. Keep away from heat and direct sunlight. Sensitive to frost.

Section 8. Exposure Control/Personal Protection

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| Exposure Limits: | Triethylamine (CAS# 121-44-8): 0.5 ppm, 8 hours ACGIH TLV-TWA 1 ppm, 15 minutes ACGIH TLV-STEL |
| Appropriate engineering controls: | Use only with adequate ventilation. Provide local exhaust ventilation system. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. |
| Personal protective equipment: | |
| Respiratory Protection: | Gas filter mask must be worn. |
| Hand Protection: | Chemical resistant, impervious gloves. |
| Eye Protection: | Safely glasses with side shields or chemical goggles. |
| Skin and Body Protection: | Wear appropriate chemical-resistant clothing. |
| Other Protective Equipment: | Eye wash equipment and safety shower. |
| Hygiene Measures: | Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. |

Section 9. Physical and Chemical Properties

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| Physical State: | Viscous Liquid |
| Color: | Milky white |
| Odor: | Amine-like (slight) |
| Odor Threshold: | Not available. |
| pH: | ~8.0 |
| Specific Gravity (77°F): | ~0.98 |
| % Volatile by Weight: | ~62% |
| Melting Point: | Not available. |
| Freezing Point: | Not available. |
| Boiling point: | 100°C |
| Flash Point: | 219.2°F (104°C) |
| Evaporation Rate (BuAc=1): | Not available. |
| Flammability: | Not available. |
| Explosion Limits: | Not available. |
| Vapor Pressure (mmHg): | Not available. |
| Vapor Density (Air=1): | Not available. |
| Solubility: | Partially soluble in water. |
| Partition Coefficient: | Not available. |
| Auto-ignition Temperature: | Not available. |
| Viscosity: | Not available. |

Decomposition Temperature: Not available.

Section 10. Stability and Reactivity

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| Chemical Stability: | Stable at normal temperatures and pressure. On contact with hot surfaces or flames, this substance decomposes forming carbon monoxide and nitrogen oxides. |
| Hazardous Polymerization: | May not occur. |
| Conditions to Avoid: | Sensitive to frost. Avoid heat, sparks, open flames, and hot surfaces. |
| Incompatible Materials: | Strong oxidizing materials, strong acids. |
| Hazardous Decomposition Products: | Thermal decomposition products: carbon oxides, hazardous organic compounds, acrylates, nitrogen oxides, dense black smoke, aldehydes, organic acids |

Section 11. Toxicological Information

Primary Routes of Entry:

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| Eye: | Yes | Skin: | Yes | Inhalation: | No | Ingestion: | No |
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Potential Health Effects:

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| Inhalation: | May be harmful if inhaled. May cause respiratory irritation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. |
| Ingestion: | May be harmful if swallowed. |
| Skin: | Causes skin irritation. May cause an allergic skin reaction. |
| Eyes: | Causes serious eye irritation. |

Signs and Symptoms of Exposures:

Acute Toxicity:

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| Triethylamine: |
| LC50 Inhalation Vapor (Rat) 3496 ppm, 1 hour |
| LC50 Inhalation Vapor (Rat) 7.1 mg/l, 4 hours |
| LD50 Dermal (Rabbit) 570 mg/kg |
| LD50 Oral (Rat) 460 mg/kg |
| LD50 Oral (Rat) 730 mg/kg |

Chronic Toxicity:

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| Triethylamine: |
| Sub-chronic NOAEC Inhalation Vapour (Rat) 247 ppm, 28 weeks; 6hours/day |

Skin Sensitization:

Has demonstrated the potential for contact allergy in mice.

Respiratory Sensitization:

No information available.

Mutagenicity:

Classification not possible (GHS)

Reproductive toxicity:

Classification not possible (GHS)

Aspiration Hazard:

Classification not possible (GHS)

Carcinogenicity:

Classification not possible (GHS)

Specific target organ toxicity (Single exposure):

Classification not possible (GHS)

Specific target organ toxicity (Single exposure):

Classification not possible (GHS)

Section 12. Ecological Information

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| Ecotoxicity (Aquatic and Terrestrial): | Harmful to aquatic life Triethylamine: LC50 17 mg/l Fresh water, Daphnia, 48 hours, mortality LC50 24 mg/l Fresh water, Fish, 96 hours LC50 36 mg/l, Fish, 96 hours Emulsifier: Crustacea (Daphnia magna) EC50 10-100 mg/L/48hr Algae (green algae) EC50 10-100 mg/L/72hr (allied substance) |
| Bioaccumulative Potential: | Not available. |
| Mobility in Soil: | Not available. |
| PBT and vPvB Assessment: | Not available. |
| Other Adverse Effects: | Not available. |

Section 13. Disposal Considerations

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| Product: | Dispose of contents/container in accordance with local / regional / national / international regulations. The generation of waste should be avoided or minimised wherever possible. Do not dump into sewers, on the ground or into any body of water. Burn in chemical incinerator equipped. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. |
| Disposing of Contaminated Packaging: | Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Contact a licensed waste disposal service for this material. |

Section 14. Transport Information

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| Land Transport (DOT): | Not Regulated |
| UN Number: | Not Applicable |
| UN Proper Shipping Name: | Not Applicable |
| Transport Hazard Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Sea Transport (IMDG): | Not Regulated |
| UN Number: | Not Applicable |
| UN Proper Shipping Name: | Not Applicable |
| Transport Hazard Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Air Transport (IATA): | Not Regulated |
| UN Number: | Not Applicable |
| UN Proper Shipping Name: | Not Applicable |
| Transport Hazard Class: | Not Applicable |
| Packing Group: | Not Applicable |
| Environmental Hazards (e.g., Marine pollutant): | None |

Section 15. Regulatory Information

International Inventories:

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| TSCA (USA): | Listed |
| DSL (Canada): | No information available. |
| ENCS (Japan) | No information available. |
| REACH (Europe): | No information available. |
| IECSC (China): | No information available. |
| KECL (Korea): | No information available. |
| PICCS (Philippines): | No information available. |
| AICS (Australia): | No information available. |
| ERMA (New Zealand): | No information available. |

Federal Regulations:

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| SARA 313: | Triethylamine (CAS# 121-44-8) |
| SARA 311/312: | Immediate (acute) health hazard |
| Clean Water Act: | Triethylamine (CAS# 121-44-8) |
| Clean Air Act, Section 112 HAPs (See 40CFR61): | Triethylamine (CAS# 121-44-8) |

State Regulations:

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| Massachusetts Right to Know Components: | Triethylamine (CAS# 121-44-8) |
| New Jersey Right to Know Components: | Triethylamine (CAS# 121-44-8) |
| Pennsylvania Right to Know Components: | Triethylamine (CAS# 121-44-8) |
| California Proposition 65: | None. |

Section 16. Other Information

WHMIS Classification:

HMIS Rating:

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| Health Hazard | 2 |
| Flammability: | 1 |
| Physical Hazard: | 0 |
| Personal Protection Equipment: | X |

NFPA Rating

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| Health Hazard: | 1 |
| Fire Hazard: | 1 |
| Reactivity Hazard: | 0 |

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