



Brand APOLLO

SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

HAR Adhesive Technologies
60 South Park
Bedford, OH 44146
440-786-7185

PRODUCT INFORMATION

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| PRODUCT NUMBER: | Brand APOLLO |
| PRODUCT DESCRIPTION: | Synthetic resin |
| RECOMMENDED USES: | General purpose adhesive |
| RESTRICTIONS ON USE: | Industrial use only |
| CHEMICAL FORMULA: | Not Applicable to mixtures |

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Not considered Hazardous as defined by OSHA 29CFR 1910.1200

Inhalation Health Risks and Symptoms of Exposure:

Skin and Eye Contact – Can cause minor skin irritations, defatting and dermatitis. Moderate eye irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin Absorption – Not a primary route of entry.

Ingestion – Not a primary route of entry.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family: Water Based Synthetic Polymer

| COMPONENT | CAS NUMBER | CONCENTRATION |
|-----------|------------|---------------|
|-----------|------------|---------------|

(% by weight)

None classified as hazardous under the OSHA Hazard Communication Standard 29CFR 1910.1200

SECTION 4: FIRST AID MEASURES

IF IN EYES: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

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| FLASH POINT: | Non-flammable |
| AUTOIGNITION TEMPERATURE: | Not established (Water Based) |
| LOWER EXPLOSIVE LIMIT (% in air): | Not established |
| UPPER EXPLOSIVE LIMIT (% in air): | Not established |
| EXTINGUISHING MEDIA: | Use water spray, foam, dry chemical or carbon dioxide. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers. |
| SPECIAL FIRE FIGHTING INSTRUCTIONS: | Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. |
| HAZARDOUS COMBUSTION PRODUCTS: | Carbon dioxide, Carbon monoxide |

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: No health effects expected from the cleanup of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: Mildly irritating material. Avoid unnecessary exposure.

This product may contain trace amounts (<0.1%) of residual monomer. Under normal handling

and use conditions the residual monomer should not present a hazard. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

Storage: Store in a cool, dry place. Do not allow to freeze as product may be damaged.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| EYE PROTECTION: | Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available. |
| SKIN PROTECTION: | Avoid skin contact by wearing chemically resistant gloves. |
| GLOVES: | Nitrile |
| RESPIRATORY PROTECTION: | No respiratory protection required under normal conditions of use. NIOSH approved air purifying respirator with organic vapor cartridge and dust/mist filter. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134). |
| VENTILATION: | No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use. |

EXPOSURE LIMITS:

| Chemical Name | ACGIH EXPOSURE LIMITS | AIHA WEEL |
|----------------|-----------------------|-----------|
| Not Applicable | | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| PHYSICAL STATE: | Liquid |
| COLOR: | UV White (product maybe tinted) |
| ODOR: | Mild Sweet |
| ODOR THRESHOLD: | Not established |
| WEIGHT PER GALLON (lbs.): | 8.5 – 9.5 |
| SPECIFIC GRAVITY: | 1.02 – 1.14 |
| SOLIDS (% by weight): | 30 – 65% |
| pH: | 4.2 – 7.5 |
| BOILING POINT (deg. C): | Approximately 100 deg. C |
| FREEZING/MELTING POINT (deg. C): | Approximately 0 deg. C |

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|----------------------------|--------------------|
| VAPOR PRESSURE (mm Hg): | Not established |
| VAPOR DENSITY: | Not established |
| EVAPORATION RATE: | Not established |
| OCTANOL/WATER COEFFICIENT: | Not established |
| FLASH POINT: | None (Water Based) |
| AUTO IGNITION TEMPERATURE: | None (Water Based) |
| DECOMPOSITION TEMPERATURE: | Not established |
| VOC: | <0.1% |
| HAPS: | <0.1% |

SECTION 10: STABILITY AND REACTIVITY

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| STABILITY: | Stable under normal conditions. |
| CHEMICAL INCOMPATIBILITY: | Not established |
| CONDITIONS TO AVOID: | Strong Acids or Bases |
| HAZARDOUS POLYMERIZATION: | Will not occur. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | Carbon monoxide, carbon dioxide |

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME LD50/LC50

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| TOXICOLOGY SUMMARY: | This product does not contain any hazardous ingredients intentionally added in concentrations excess under OSHA Hazard Communication Standard 29CFR 1910.12000. No additional health information available. |
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SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

NOT REGULATED

DOT: NO SPECIFIC HAZARDS KNOWN

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

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|--------------------|---|
| U.S. EPA TSCA: | This product is in compliance with the Toxic Substances Control Act's Inventory requirements. |
| CANADIAN CEPA DSL: | This product is in compliance with the Canadian Domestic Substance List requirements. |

TSCA Section 12(b) - Export Notice Requirements: This product does not contain any TSCA 12 (b) regulated chemicals.

CERCLA REGULATED CHEMICAL: This product does not contain any CERCLA regulated chemicals.

SARA 302 EHS CHEMICALS: This product does not contain any SARA extremely hazardous chemicals.

SARA 311/312 HAZARD CLASS: This product does not present any SARA 311/312 hazards.

SARA 313 CHEMICALS: This product does not contain any SARA 313 chemicals above de minimus levels.

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

European Union - REACH – Substances of Very High Concern:

We do not intentionally add any of the known chemicals to the adhesive products listed, nor are any of these chemicals intentionally added in the manufacture of the raw materials used.

International Agency on the Research of Cancer (IARC):

We do not intentionally add >0.1% of Group 1 –Carcinogenic to Humans or Group 2A –Probably Carcinogenic to Humans as listed by IARC, nor are these chemicals intentionally added in the manufacture of the raw materials used.

National Toxicology Program (NTP): We do not intentionally add >0.1% of Known Human Carcinogen or Reasonably Anticipated to Be a Human Carcinogen as listed by NTP, nor are any of these chemicals intentionally added in the manufacture of raw materials used.

Occupational Safety and Health Administration (OSHA): We do not intentionally add >0.1% of Regulated Toxic Metal or Carcinogens as listed by OSHA, nor are any of these chemicals intentionally added in the manufacture of raw materials used.

California Proposition 65: We do not intentionally add >0.1% of substances known to the State of California to cause cancer or reproductive harm as listed by California Proposition 65, nor are any of these chemicals intentionally added in the manufacture of raw materials used.

USEPA TRI and PBTs: We do not intentionally add >0.1% of any substances on the USEPA TRI – Complete USEPA toxic chemical list or US EPA Toxic Release Inventory Persistent, bioaccumulative and toxic (PBT) chemicals-known persistent bioaccumulative and toxic chemicals and compounds (a subset of the EPA TRI list of chemicals and compounds) in the manufacturing process, nor are any intentionally added by our raw material suppliers.

FDA Regulations:

FDA – Code of Federal Regulations, Title 21 The product above may be used in compliance with the following: 21 CFR 175.105 – Adhesives --- This regulation specifies that the adhesive is either separated from food by a functional barrier, or used subject to the following additional limitations: (a) The amount of adhesive that contacts packaged dry foods shall not exceed the amounts of good manufacturing practice; (b) The quantity of adhesive that contacts packaged fatty and aqueous foods shall not exceed the trace amount at seams and at edge exposure between packaging laminates that may occur within the limits of good manufacturing practice, and under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.

SECTION 16: ADDITIONAL INFORMATION

DATE: **03/10/16**

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to HAR Adhesive Technologies from its suppliers, and because the HAR Adhesive Technologies has no control over the conditions of handling and use, HAR Adhesive Technologies makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and HAR Adhesive Technologies assumes no responsibility for use or reliance thereon. It is the responsibility of the user of HAR Adhesive Technologies products to comply with all applicable federal, state and local laws and regulations.

