

API-BI795

Section 1. Product and Company Identification

Product Name: **API-795**
Chemical Name/Family: Blocked Isocyanate
CAS No.: Mixture
Product Use: Textile Coatings
Restrictions: For Industrial Use Only
Company: Advanced Polymer, Inc.
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:

Eye Irritation	Not Classified
Skin Irritation	Not Classified
Acute Toxicity, oral	Category 5
Specific target organ toxicity, single exposure; Respiratory tract irritation	Category 3

GHS Label:

Symbol:



Signal Word: **Warning**

Hazard Classification:

Hazard Statement

May be harmful if swallowed
May cause respiratory irritation

Precautionary Statements:

Prevention

Do not breathe dust/fume/gas/mist/vapours/spray. Breathing large amounts of mist or heated vapors may cause irritation of the nose, throat, or respiratory tract.
Use only outdoors or in a well-ventilated area.

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal

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

Potential Health Effects – Short Term:

Eyes: Exposure to heated vapors may cause mild reversible eye irritation.

Skin: Overexposure may cause de-fatting and mild skin irritation.

Ingestion: Swallowing large amounts may be harmful.

Inhalation: Short term inhalation of vapors is not likely to cause harmful effects. Breathing large amounts of mist or heated vapors may cause irritation of the nose, throat, or respiratory tract.

Potential Health Effects – Overexposure:

Eyes: Swelling, tearing, redness, itching, or burning.

Skin: Swelling, itching, burning, tingling, or redness.

Ingestion: Nausea, vomiting, upset stomach.

Inhalation: Coughing, shortness of breath, dizziness, itching or burning in the mouth, nose, chest, or throat.

Section 3. Hazardous Composition/Information on Ingredients

Ingredients	CAS No.	Percent (wt%)
Blocked Urethane Pre-Polymer	Proprietary	15.0 – 25.0
Water	7732-18-5	75.0 – 85.0

There are no components contained in this material at concentrations above 1% that are considered hazardous under 29CFR1910.1200.

Section 4. First Aid Measures

Skin Contact:	Wash affected areas with plenty of water and soap for several minutes. Call a physician if irritation develops.
Eye Contact:	First rinse eyes with water. Remove any contact lenses, and continue washing with running water for at least 15 minutes. Call a physician if irritation develops.
Inhalation:	If inhaled, remove the affected individual immediately to fresh air. Call a physician if respiratory irritation develops or if breathing becomes difficult.
Ingestion:	If swallowed seek medical attention immediately and show the doctor packaging or label. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything to an unconscious or convulsing person.

Section 5. Firefighting Measures

Fire and Explosion Hazard:	Hazardous decomposition products formed under fire conditions: Oxides of carbon and nitrogen, dimethylpyrazol, isocyanates.
Fire Extinguishing Media:	Use water spray or fog, foam, dry chemical powder or carbon dioxide.
Unsuitable Extinguishing Media:	None

Thermal Decomposition: To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapors.

Special Fire Fighting Information: Evacuate personnel to safe areas. Wear self-contained breathing apparatus and appropriate full protective equipment. Move containers from area of the fire if this can be done without risk. Cool fire-exposed containers with water. Do not allow run-off from fire-fighting to enter drains or water courses.

Section 6. Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Ensure cleanup is done only by trained personnel. Material can create slippery conditions.

Protective Equipment: Wear personal protective equipment. Ventilate area.

Environmental Precautions: Do not discharge to streams, ponds, lakes or sewers. Avoid subsoil penetration.

Methods and Materials for Containment and Cleaning up: Small spill: Soak up with sawdust, sand, oil dry or other absorbent material. Pick up and transfer to properly labelled containers.
Large spill: Wear protective clothing as appropriate. Shut off source of leak if it is safe to do so. Dike and contain spilled material. Soak up with sawdust, sand, oil dry or other absorbent material. Pick up and transfer to properly labelled containers.

Section 7. Handling and Storage

Handling Conditions: Handle containers with care. Do not breathe vapors, mist or gas. Wash hands thoroughly after handling. ****Agitate thoroughly before use****

Storage Conditions: Keep container tightly closed in a dry, cool and well-ventilated place away from incompatible materials. Keep away from heat, and sunlight. Prolonged storage at elevated temperatures is detrimental to product properties.

****PROTECT FROM FREEZING****

If product freezes, allow to thaw then mix thoroughly. Product quality testing should be performed before the product is used.

Section 8. Exposure Control/Personal Protection

Exposure Limits: None established.

Appropriate engineering controls: Local ventilation must be used during application. Use suitable ventilation to remove mists or vapors during spray or other applications.

Personal protective equipment:

Respiratory Protection: Use in areas with good general ventilation.

Hand Protection: Wear protective gloves.

Eye Protection: Wear safety glasses with side shields or goggles.

Skin and Body Protection: Rubber apron, boots or coveralls as necessary to prevent skin contact.

Hygiene Measures: An eyewash and safety shower should be nearby and ready for use.

Section 9. Physical and Chemical Properties

Physical State: Liquid

Color: White emulsion

Odor: Slight

Odor Threshold: N.D.

pH: ~6

Specific Gravity (77°F):	1.1
% Volatile by Weight:	~80.0
Melting Point:	N.D.
Freezing Point:	N.D.
Boiling point:	>100°C (>212°F)
Flash Point:	N.D.
Evaporation Rate (BuAc=1):	N.D.
Flammability:	N.D.
Explosion Limits:	(lower) N/D, (upper) N/D
Vapor Pressure (mmHg):	N.D.
Vapor Density (Air=1):	N.D.
Solubility:	Dilutable
Viscosity:	N.D.
Thermal Decomposition Temperature:	N.D.

Section 10. Stability and Reactivity

Chemical Stability:	Stable under normal temperature and pressure.
Hazardous Polymerization:	None
Conditions to Avoid:	Do not overheat to prevent from thermal decomposition. PROTECT FROM FREEZING.
Incompatible Materials:	Strong oxidizing or reducing materials.
Hazardous Decomposition Products:	In case of extremely high temperatures oxides of carbon and nitrogen, dimethylpyrazole and isocyanates may be formed.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	No	Ingestion:	No
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Acute Toxicity:

Oral LD50 Dimethylpyrazole: mouse – 1060 mg/kg
Remarks: Behavioral: General anesthetic. Behavioral: Ataxia.

Chronic Toxicity: No information available

Respiratory or Skin Sensitization: No information available

Mutagenicity: No information available

Carcinogenicity:

IARC:	No	NTP:	No	OSHA:	No
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Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial):	No information available
Bioaccumulative Potential	No information available
Mobility in Soil:	No information available
PBT and vPvB Assessment:	No information available
Other Adverse Effects:	No information available

Section 13. Disposal Considerations

Product:	As in accordance with EPA, state and local regulations. Do not dump this product into sewers, on the ground or into any body of water. The recommended disposal technology is incineration.
Disposing of Contaminated Packaging:	Treat as unused product as above.

Section 14. Transport Information

API-BI795 is classified as non-hazardous and not regulated for transportation by DOT.

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
Canada:	NDSL
ENCS (Japan)	Listed
EINECS (Europe):	Listed
IECSC (China):	Listed
KECL (Korea):	No information available.
PICCS (Philippines):	Not Listed
AICS (Australia):	Not Listed
ERMA (New Zealand):	Not Listed

Federal Regulations:

CERCLA Reportable Quantities:	None
SARA 313:	None
SARA 311/312:	
Acute	Yes
Chronic	No
Fire	No
Pressure	No
Reactivity	No
SARA 302/304:	None
Clean Water Act:	No information available
Clean Air Act, Section 112 HAPs (See 40CFR61):	No information available

State Regulations:

Massachusetts Right to Know Components:	No information available
New Jersey Right to Know Components:	No information available
Pennsylvania Right to Know Components:	No information available
California Proposition 65:	None

Section 16. Other Information

WHMIS Classification:	No information available
HMIS Rating:	
Health Hazard	2
Flammability:	0
Physical Hazard:	0
Personal Protection Equipment:	B

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