

AdvaBond® 8100

Section 1. Product and Company Identification

Product Name:	AdvaBond® 8100
Chemical Name/Family:	Non-Chlorinated Resin Solution
CAS No.:	Mixture
Product Use:	Adhesion Promoter
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:

Flammable liquids	Category 2
Acute toxicity, inhalation	Category 4
Acute toxicity, dermal	Category 4
Eye irritation	Category 2A
Aspiration Hazard	Category 1
Skin corrosion/irritation	Category 2
Specific target organ toxicity, single exposure	Category 3
Specific target organ toxicity, repeated exposure	Category 2

GHS Label:



Symbol:

Signal Word: **Danger**

Hazard Classification:

Hazard Statement:

- Highly flammable liquid and vapor
- Harmful if inhaled
- Harmful in contact with skin
- Causes serious eye irritation
- May be fatal if swallowed and enters airways
- Causes skin irritation
- May cause respiratory irritation
- May cause damage to liver, kidney, central nervous system through prolonged or repeated exposure

Precautionary Statement:**Prevention**

- Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- Keep container tightly closed.
- Ground/Bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting and other personal protective equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Wash uncovered body surfaces and hands thoroughly after handling.

Response

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- In case of fire: Use alcohol resistance foam, carbon dioxide, dry-chemical extinguishing system and not water.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- Specific measures (see supplemental first aid instructions on this SDS).
- Wash contaminated clothing before reuse.
- IF IN EYES: 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.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.
- Specific treatment (see supplemental first aid instructions on this SDS).
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- Get medical advice/attention if you feel unwell.

Storage

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

Disposal

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

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Xylene	1330-20-7	49.0 – 70.0

Ethylbenzene	100-41-4	≤ 21.0
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Section 4. First Aid Measures

Skin Contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
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 victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell. Get medical advice/attention if you feel unwell.
Ingestion:	Rinse mouth with water. Immediately call a POISON CENTER or doctor/physician.

Section 5. Firefighting Measures

Specific Hazards in Case of Fire:	There is a risk of fire or explosion by contact with heat or flame. Avoid inhalation of material or combustion by-products (carbon monoxide and hydrogen chloride). Material is lighter than water and a fire may be spread by the use of water.
Fire Extinguishing Media:	Regular water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	No information available.
Special Protective Equipment and Precaution for Firefighters:	Move container from fire area if it can be done without risk. Prohibited from entering into locations around the fires. Cool container with water spray. Wear protective gloves, safety glasses, air-purifying respirators.
Unusual Fire & Explosion Hazards:	No information available.

Section 6. Accidental Release Measures

Personal Precautions:	Avoid breathing mist or vapours. Ensure adequate ventilation. Evacuate personnel to safe areas.
Protective Equipment:	Use personal protective equipment (cartridge respirator, safety goggles, chemical resistant gloves).
Environmental Precautions:	Remove all sources of ignition. Avoid discharging into the environment. Do not let enter drain.
Methods and Materials for Containment and Cleaning up:	Collect liquid in an appropriate container or absorb with an inert material (e.g. sand, earth, vermiculite) and place in a chemical waste container.

Section 7. Handling and Storage

Handling Conditions:	Avoid contact with skin and eyes or clothing. Avoid inhalation of vapours or mist. Use personal protective equipment (e.g. safety glasses, gas respirators, protective gloves). Wash thoroughly after handling. To keep out non-participants. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharge. *** Agitate contents of container before using ***
Storage Conditions:	Good ventilation is needed at work area. Protect from sunlight. Store at temperatures between 40°F and 90°F. Product will become more viscous at lower temperatures. Store in a well-ventilated place.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	Xylene (CAS# 1330-20-7) ACGIH - TWA : 100 ppm ; STEL : 150 ppm OSHA Z-1 – TWA : 100 ppm , 435 mg/m3 Ethylbenzene (CAS# 100-41-4) ACGIH - TWA : 20 ppm NIOSH REL – TWA : 100 ppm, 435 mg/m3 OSHA Z-1 – TWA : 100 ppm , 435 mg/m3
Appropriate engineering controls:	Handle in accordance with good industrial hygiene and safety practice. General ventilation required. Wear eye/face, skin, body and respiratory protection as needed to control the exposure limits.
Personal protective equipment:	
Respiratory Protection:	In case of vapour formation use a respirator with an approved filter
Hand Protection:	Chemical resistant gloves.
Eye Protection:	Use safety glasses with side shield, overall chemical goggles.
Skin and Body Protection:	Wear appropriate chemical resistant clothing.
Other Protective Equipment:	Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Hygiene Measures:	Wash uncovered body surfaces and hands thoroughly after handling.

Section 9. Physical and Chemical Properties

Physical State:	Viscous liquid
Color:	Slightly hazy
Odor:	Aromatic
Odor Threshold:	No information available.
pH:	N/A
Specific Gravity (77°F):	0.89
% Volatile by Weight:	70
% Non-Volatile by Weight:	30
% VOC:	70
Melting Point:	No information available.
Freezing Point:	No information available.
Boiling point:	Not available. Xylene : 280 - 288 ° F(138-142°C)
Flash Point:	No information available. Xylene : 27.0°C (81°F)
Evaporation Rate (BuAc=1):	No information available.
Flammability:	No information available.
Explosion Limits:	No information available.
Vapor Pressure (mmHg):	Not available. Xylene : 7 mmHg at 68 ° F (20°C)
Vapor Density (Air=1):	No information available.
Solubility:	Insoluble in water
n-Octanol/Water Partition Coefficient:	No information available.
Auto-ignition Temperature:	No information available.
Viscosity:	No information available.

Decomposition Temperature: No information available.

Section 10. Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressure.
Hazardous Polymerization: May not occur.
Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition.
Incompatible Materials: Strong oxidizing materials and acids.
Hazardous Decomposition Products: Thermal decomposition products: Carbon monoxide, carbon dioxide, and hydrogen chloride.

Section 11. Toxicological Information

Primary Routes of Entry:

Eye:	Yes	Skin:	Yes	Inhalation:	Yes	Ingestion:	Yes
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Potential Health Effects:

Inhalation: Harmful if inhaled
Ingestion: May be fatal if swallowed and enters airways
Skin: Harmful in contact with skin
Eyes: Causes serious eye irritation

Acute Toxicity: Xylene (CAS# 1330-20-7)
 LD50 Oral – Rat, male - > 3,523 mg/kg
 LC50 Inhalation – Rat, male - 4 h – 6700 ppm
 LD50 Dermal - Rabbit – 1,100 mg/kg

Chronic Toxicity: No information available.

Skin corrosion/irritation Causes skin irritation

Respiratory Sensitization: No information available.

Skin Sensitization: No information available.

Mutagenicity: No information available.

Toxic to reproduction: No information available.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to liver, kidney, central nervous system through prolonged or repeated exposure

Aspiration hazard May be fatal if swallowed and enters airways

Carcinogenicity:

IARC:	Ethylbenzene : 2B - Possibly carcinogenic to humans ; Xylene : 3 - Not classifiable as to its carcinogenicity to humans	NTP	No	OSHA:	No
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Section 12. Ecological Information

Ecotoxicity (Aquatic and Terrestrial): No information available.

Persistence / Degradability: No information available.

Bioaccumulative Potential No information available.

Mobility in Soil: No information available.

PBT and vPvB Assessment: No information available.

Section 13. Disposal Considerations

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

Section 14. Transport Information

Land Transport (DOT):

UN Number:	1866
UN Proper Shipping Name:	Resin solution
Transport Hazard Class:	3
Packing Group:	II

Sea Transport (IMDG):

UN Number:	1866
UN Proper Shipping Name:	Resin Solution
Transport Hazard Class:	3
Packing Group:	II

Air Transport (IATA):

UN Number:	1866
UN Proper Shipping Name:	Resin Solution
Transport Hazard Class:	3
Packing Group:	II

Environmental Hazards (e.g., Marine pollutant): No

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Yes
DSL (Canada):	Yes
ENCS (Japan):	Yes
EINECS (Europe):	Yes
IECSC (China):	Yes
KECL (Korea):	Yes
PICCS (Philippines):	Yes
AICS (Australia):	Yes
ERMA (New Zealand):	Yes
NECI (Taiwan)	Yes

Federal Regulations:

SARA 313:	Xylene (CAS# 1330-20-7) ; Ethylbenzene (CAS# 100-41-4)	
SARA 311/312:	Acute:	Yes
	Chronic:	Yes

Fire: Yes

Pressure: No

Reactivity: No

Clean Water Act: No information available.

Clean Air Act, Section 112 HAPs (See 40CFR61): No information available.

State Regulations:

Massachusetts Right to Know Components: Xylene (CAS# 1330-20-7) ; Ethylbenzene (CAS# 100-41-4)

New Jersey Right to Know Components: Xylene (CAS# 1330-20-7) ; Ethylbenzene (CAS# 100-41-4)

Pennsylvania Right to Know Components: Xylene (CAS# 1330-20-7) ; Ethylbenzene (CAS# 100-41-4)

California Proposition 65: Ethylbenzene (CAS# 100-41-4)

Section 16. Other Information
WHMIS Classification: No information available

HMIS Rating:

Health Hazard: 1

Flammability: 3

Physical Hazard: 0

Personal Protection Equipment: X

NFPA Rating

Health Hazard: 1

Fire Hazard: 3

Reactivity Hazard: 0

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