

AdvaBond®7251

Section 1. Product and Company Identification

Product Name:	AdvaBond®7251
Chemical Name/Family:	Modified chlorinated polypropylene
CAS No.:	Proprietary
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:

Physical Hazards	Not Classified
Health Hazards	
Acute toxicity, oral	Category 5
Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 1
Sensitization, skin	Category 1
Environmental Hazards	Not Classified

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

- May be harmful if swallowed
- Causes mild skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction

Precautionary Statement:

Prevention

Wear protective gloves eye protection/face protection.
 Avoid breathing dust/fume/gas /mist/vapours/spray.
 Contaminated work clothing should not be allowed out of the workplace.

Response

Call a POISON CENTER/doctor/physician if you feel unwell.
 If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 See Section 4 of this SDS for specific treatment.
 IF ON SKIN: Wash with plenty of soap and water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.

Storage

No information available.

Disposal

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

Section 3. Composition/Information on Ingredients

Ingredients	CAS No.	Percent
Modified chlorinated polypropylene with maleic anhydride	Proprietary	Trade secret
Emulsifier	Proprietary	Trade secret
Dimethylaminoethanol (DMAE)	108-01-0	<1
Water	7732-18-5	~69

Section 4. First Aid Measures

Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Get medical advice / attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Inhalation: Remove person to fresh air and keep comfortable for breathing.
 Call a POISON CENTER or doctor if you feel unwell.

Ingestion: Rinse mouth with water. Call a POISON CENTER or doctor if you feel unwell.

Section 5. Firefighting Measures

Fire and Explosion Hazard: Avoid inhalation of material or combustion by-products (carbon monoxide, hydrogen chloride) >200°C.

Fire Extinguishing Media: Water spray, regular dry chemical, carbon dioxide, alcohol-resistant foam

Unsuitable Extinguishing Media: No information available

Specific Hazards in Case of Fire: Move containers from fire area if it can be done without risk. If you can't

move, cool container and its surroundings with water spray.
 Prohibited from entering into locations around the fires.

Special Fire Fighting Information: Wear protective equipment and air-purifying respirators.

Section 6. Accidental Release Measures

Personal Precautions:	Avoid contact with skin or eyes. Avoid breathing vapours or mist. Ensure adequate ventilation. To keep out non-participants.
Protective Equipment:	Use personal protective equipment (e.g. protective gloves, gas respirators, safety glasses).
Environmental Precautions:	Discharge into the environment must be avoided. Do not let product enter drain.
Methods and Materials for Containment and Cleaning up:	If there is no danger, stop the leak. Collect liquid in an appropriate container or absorb with an inert material (e.g. sand earth vermiculite), and place in a chemical waste container. If the product leaks a lot, enclosed by embankments to prevent runoff, leading to a safe place to recover. Remove all sources of ignition.

Section 7. Handling and Storage

Handling Conditions:	Provide appropriate local exhaust or ventilation at working area. Use personal protective equipment (e.g. safety glasses, gas respirators, protective gloves). Wash hands thoroughly after handling. Avoid release to the environment. Avoid contact with skin and eyes or clothing. Avoid inhalation of vapour or mist. Avoid contact with strong oxidizing materials and strong acids.
Storage Conditions:	Store in a tightly closed container. Store in a well-ventilated area. Store away from sources of heat, direct sunlight or rain. Store at $\geq 32^{\circ}\text{F}$ (0°C). Preferably $41-104^{\circ}\text{F}$ ($5-40^{\circ}\text{C}$). Protect from strong oxidizing materials, strong acids. Use plastic jerry can, composite drum packaging materials.

Section 8. Exposure Control/Personal Protection

Exposure Limits:	No information available
Appropriate engineering controls:	Provide local exhaust ventilation system.
Personal protective equipment:	
Respiratory Protection:	Chemical cartridge respirators
Hand Protection:	Chemical resistant gloves
Eye Protection:	Safety glasses, Chemical goggles
Skin and Body Protection:	Protective clothing
Other Protective Equipment:	Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Hygiene Measures:	Wash hand thoroughly after use.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Milky white
Odor:	Slight odor
Odor Threshold:	No information available
% Non-volatile by Weight:	~30.0

pH:	~7.0
Specific Gravity (77°F):	~1.02
% Volatile by Weight:	~70.0
% VOC:	0%
Melting Point:	~32°F (0°C)
Freezing Point:	No information available
Boiling point:	No information available
Flash Point:	No information available
Evaporation Rate (BuAc=1):	No information available
Flammability:	No information available
Explosion Limits:	No information available
Vapor Pressure (mmHg):	No information available
Vapor Density (Air=1):	No information available
Solubility:	Disperse easily in 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:	No information available
Conditions to Avoid:	Heat, sparks, open flames, hot surface
Incompatible Materials:	Strong oxidizing materials, Strong acids
Hazardous Decomposition Products:	On contact with hot surfaces or flames this substance decomposes forming carbon monoxide and hydrogen chloride.

Section 11. Toxicological Information

Primary Routes of Entry:

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

Inhalation	No information available
Ingestion:	May be harmful if swallowed
Skin:	Causes mild skin irritation
Eyes:	Causes serious eye damage
Acute Toxicity:	DMAE : LD50 Oral - Rat - male and female - 1,182.7 mg/kg LD50 Dermal - Rabbit - male - 1,219 mg/kg LC50 Inhalation - Rat - male - 4 h - 1641 ppm Emulsifier: oral-rat LD50 200~2000mg/kg(allied substance) DMAE : skin-rabbit ; corrosive Emulsifier : skin-rabbit ; no irritation DMAE : eyes-rabbit ; severe Emulsifier : eyes-rabbit ; Risk on severe disabilities (allied substance)
Chronic Toxicity:	Classification not possible (GHS) DMAE: rat-inhalation Histopathological changes were seen in the

respiratory tract. (0.28mg/L/13weeks)

Respiratory or Skin Sensitization: May cause an allergic skin reaction
DMAE : Local Lymph Node Assay ; Positive

Mutagenicity: Classification not possible (GHS)
DMAE : Micronucleus test ; Negative
Ames test ; Positive

Carcinogenicity:

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

Ecotoxicity (Aquatic and Terrestrial): Classification not possible(GHS)
DMAE : Algae-Scenedesmus EC50 = 35mg/L/72hr
Emulsifier : Crustacea-Daphnia magna EC50 10-100mg/L/48hr
Algae-green algae EC50 10-100mg/L/72hr (allied substance)

Bioaccumulative Potential Not available
DMAE : Log Pow = -0.55 (It is presumed that bioaccumulation is low.)

Mobility in Soil: No information available

PBT and vPvB Assessment: No information available

Other Adverse Effects: No information available

Section 13. Disposal Considerations

Product: Burn in a chemical incinerator equipped. Dispose of contents / container in accordance with local / regional /national /international regulation.

Disposing of Contaminated Packaging: Contact a licensed professional waste disposal service to this material.

Section 14. Transport Information

Land Transport (DOT): Not Regulated

Sea Transport (IMDG): Not Regulated

Air Transport (IATA): Not Regulated

Environmental Hazards (e.g., Marine pollutant): Not a marine pollutant

Specific Precautions: Do not drop, overturn or destroy containers for heavy load.
To prevent packages from breaking, keep dry and handle with care. Keep fire away.

Section 15. Regulatory Information

International Inventories:

TSCA (USA):	Listed
DSL (Canada):	Listed
ENCS (Japan)	Listed
REACH (Europe):	Not Listed
IECSC (China):	Not Listed
KECL (Korea):	Listed
PICCS (Philippines):	Not Listed
AICS (Australia):	Not Listed

ERMA (New Zealand):

Federal Regulations:

SARA 313:	No information available
SARA 311/312:	No information available
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:	No information available

Section 16. Other Information

WHMIS Classification: No information available

HMIS Rating:

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

NFPA Rating

Health Hazard:	2
Fire Hazard:	1
Reactivity Hazard:	0

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