



GET THE API ADVANTAGE . . .

## Hardlen® DX-530P

HARDLEN DX-530P is a chlorinated polypropylene adhesion promoter engineered to maximize its solubility with UV/EB monomers. HARDLEN DX-530P will impart excellent adhesion to polypropylene substrates. HARDLEN DX-530P can also be used in solvent borne application.

### CHARACTERISTICS

- Superior adhesion to PP, TPO or PP/EPDM.
- Unique solubility in UV monomer
- Tough, transparent film after curing into UV system.

### APPLICATION

Solubility of Hardlen® DX-530P in various UV/EB monomers and solvents:

Monomer	Max. Amount of DX-530P <sup>1</sup> (%)	After Cooling (70°C - 25°C)	
		Appearance	Viscosity (cps.)
Lauryl Acrylate	30	Clear	<100
Cyclohexyl Acrylate	30	Clear	<100
Isobornyl Acrylate	25	Clear/slightly yellow	<1000
THF-Acrylate	20	Hazy/yellow	<1000
1,6-HDDA	10	Hazy/Off White	>1000
Propyleneoxide Acrylate	Not soluble	-	-
Ethyleneoxide Acrylate	Not soluble	-	-
2-Phenoxy Ethyl Acrylate	Not soluble	-	-
Solvent	Max. Amount of DX-530P (%)	Appearance	Viscosity (cps.)
Ethyl Acetate	30	Clear/slightly yellow	<100
Butyl Acetate	30	Clear/slightly yellow	<100
Toluene	30	Clear/slightly yellow	<100

<sup>1</sup>Dissolving Temperature = 70°C

### TYPICAL PROPERTIES

Appearance:	Off white/yellow pellet
Resin Content:	100%
Chlorine Content:	30%
Molecular Weight:	110,000

Advanced Polymer, Inc.

400 Paterson Plank Road

Carlstadt, NJ 07072

Phone: (201) 933-0600

Fax: (201) 933-8442

www.advpolymer.com



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## Hardlen<sup>®</sup> DX-530P

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### STORAGE

**Blocking Temperature:** Storage at temperatures below 30°C (86°F). This product will block at temperatures exceeding 30°C (86°F).

### PACKAGING

HARDLEN DX-530P is available in 8 oz. samples and bag quantities.

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#### I want to know more!

[technical@advpolymer.com](mailto:technical@advpolymer.com)

You may also be  
interested in . . .

- HARDLEN DX-523P

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Revised July 7, 2010

## HARDLEN® DX-530P

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### Section I Product Identity

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Product Name: HARDLEN DX-530P  
Chemical Name/Family: Modified Chlorinated polypropylene  
CAS# Mixture  
24 Hour Emergency Number 800-424-9300  
24 Hour Chemtrec Number 800-424-9300

All ingredients are listed in EPA's TSCA list of chemical substances

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### Section II Hazardous Components/Composition Information

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#### CHEMICAL

CAS#:	USOS:	TWA :	STEL :	PERCENT:
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### Section III Physical and Chemical Properties

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Boiling Point	N/A
Specific Gravity (H <sub>2</sub> O=1)	>1
Vapor Pressure	N/A
Vapor Density (Air=1)	N/A
Percent Volatile By Weight	N/A
Evaporation Rate (BuAc=1)	N/A
Solubility in Water	Not Soluble
Appearance and Odor	Off white solid pellet. Distinct odor

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### Section IV Fire and Explosion Hazard Data

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Flash Point (Method Used)	N/A
Flammable Limits in Air (% By Volume)	N/A
Extinguishing Media	Foam, Dry Chemical, CO <sub>2</sub>
Special Fire Fighting Procedures	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
Unusual Fire and Explosion Hazard	None

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### Section V Reactivity Data

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Stability	Stable
Conditions to Avoid	Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials. Keep out of water supplies and sewers.
Incompatibilities	Avoid contact with combustible materials, oxidizing agents and acids.
Hazardous Decomposition or By Products	Thermal decomposition produces oxides of carbon and chlorine.
Hazardous Polymerization	May Not Occur

## Section VI Health Hazard Data

Primary Routes of Entry	Inhalation: No	Dermal: Yes	Ingestion: Yes
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

### Signs and Symptoms of Exposure

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	No information is available.

### Medical Condition Generally Aggravated by Exposure

### Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Call a physician.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

## Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method      As in accordance with EPA and local regulations.

## Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing.

## Section IX Control Measures

Respiratory Protection

Ventilation	Local exhaust	Recommended
	Mechanical	
	Special	
	Other	
Eye Protection	Safety glasses should be worn	
Protective Gloves	Rubber or plastic gloves should be worn	
Protective Clothing	Rubber apron	
Other Protective Equipment	NIOSH approved respirator as needed	
Other Precautions	Wash hands after use.	

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## Section X SARA Title III

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### SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #	67-66-3
Chemical Name	Chloroform
Percent by Weight	<2.0

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

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## Section XI Transportation Information

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### SHIPPING INFORMATION

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### Hazard Ratings

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Health	1
Flammability	1
Reactivity	0

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Date Prepared ..... April 28, 2005  
Prepared By ..... API  
Date Revised ..... October 15, 2009  
Revised By ..... API

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