



Version 1.4

Revision Date 2012-09-26

Product information	
Trade name Material	 Marlex® HGX-030SP Polypropylene 1110505, 1110504, 1110503, 1110502, 1110481, 1110480, 1110479, 1110478, 1110477
Company	: Saudi Polymers Company P.O. Box 11221 Jubail Industrial City Saudi Arabia 31961
	MSDS Requests: (800) 852-5530 Technical Information: (832) 813-4862 Responsible Party: Product Safety Group Email:msds@cpchem.com
Local	: Saudi Polymers Company P.O. Box 11221 Jubail Industrial City Saudi Arabia 31961
	MSDS Requests: (800) 852-5530 Technical Information: (832) 813-4862 Responsible Party: Product Safety Group Email:msds@cpchem.com
Emergency telephon	
Asia: +800 CHEMC EUROPE: BIG +32 Chemcare Asia: Te	
Responsible Departme E-mail address Website	t : Product Safety and Toxicology Group : MSDS@CPChem.com : www.CPChem.com
	N CAUTION: Do not use this Saudi Polymers Company material in me rmanent implantation in the human body or permanent contact with int

MATERIAL SAFETY DATA SHEET

Version 1.4

Revision Date 2012-09-26

Do not use this Saudi Polymers Company material in medical applications involving brief or temporary implantation in the human body or contact with internal body fluids or tissues unless the material has been provided directly from Saudi Polymers Company under an agreement which expressly acknowledges the contemplated use.

Saudi Polymers Company makes no representation, promise, express warranty or implied warranty concerning the suitability of this material for use in implantation in the human body or in contact with internal body fluids or tissues.

SECTION 2: Hazards identification

GHS Classification

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

GHS-Labeling

Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

SECTION 3: Composition/information on ingredients	

Molecular formula

: Mixture

Chemical Name	CAS-No. / EINECS-No.	Concentration [wt%]
Polypropylene	9003-07-0	99 - 100
Contains no hazardous ingredients acco	ording to GHS.	
SECTION 4: First aid measures		

If inhaled	:	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	:	If the molten material gets on skin, quickly cool in water. Seek immediate medical attention. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	:	Do not induce vomiting without medical advice.

SECTION 5: Firefighting measures

Suitable extinguishing media	: Water. Water mist. Dry chemical. Carbon dioxide (CO2). If possible, water should be applied as a spray from a fogging nozzle since this is a surface burning material. The application of high velocity water will spread the burning surface layer. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
MSDS Number:10000000482	2/0

MSDS Number:10000000482 2/9

MATERIAL SAFETY DATA SHEET

Version 1.4

Revision Date 2012-09-26

Specific hazards during fire fighting	:	Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust, e.g. on floors and ledges.	
Special protective equipment for fire-fighters	:	Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.	
Further information	:	This material will burn although it is not easily ignited.	
Fire and explosion protection	:	Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.	
Hazardous decomposition products	:	Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.	
ECTION 6: Accidental release	me	asures	
Personal precautions	:	Sweep up to prevent slipping hazard. Avoid breathing dust.	
Environmental precautions	:	Do not contaminate surface water. Prevent product from entering drains.	
Methods for cleaning up	:	Clean up promptly by sweeping or vacuum.	
Additional advice	:	Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).	
ECTION 7: Handling and stora	ige		
Handling			
Advice on safe handling	:	Use good housekeeping for safe handling of the product. Keep out of water sources and sewers.	
		Spilled pellets and powders may create a slipping hazard.	
		Electrostatic charge may accumulate and create a hazardous	
		condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient.	
Advice on protection against fire and explosion	:	bonding and grounding may be necessary, but may not by	
	:	bonding and grounding may be necessary, but may not by themselves be sufficient. Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion	
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rlex® HGX-030SP P	MATERIAL SAFETY DATA SH
sion 1.4	Revision Date 2012-0
Requirements for storage areas and containers	: Keep in a dry place. Keep in a well-ventilated place.
Advice on common storage	: Do not store together with oxidizing and self-igniting products.
CTION 8: Exposure controls	personal protection
Personal protective equipn	nent
Respiratory protection	: No respiratory protection is normally required. If heated material generates vapor or fumes that are not adequately controlled by ventilation, wear an appropriate respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. Use a positive pressure, air- supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstance where air-purifying respirators may not provide adequate protection. Dust safety masks are recommended when the dust concentration is excessive.
Eye protection	: Use of safety glasses with side shields for solid handling is good industrial practice. If this material is heated, wear chemical goggles or safety glasses with side shields or a face shield. If there is potential for dust, use chemical goggles.
Skin and body protection	: At ambient temperatures use of clean and protective clothing i good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate.
Protective measures	: Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.
CTION 9: Physical and chem	ical properties
Information on basic phys	cal and chemical properties
Appearance	
Form Physical state Color Odor	: Pellets : Solid : Opaque : Mild to no odor
Safety data	
DS Number:10000000482	4/9

	Polypropylene
sion 1.4	Revision Date 2012-0
Molecular formula	: Mixture
Melting point/range	: 160 - 170 °C (320 - 338 °F)
Density	: 0.88 - 1.40 g/cm3
Water solubility	: Negligible
TION 10: Stability and rea	ctivity
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous r	eactions
Conditions to avoid	: Avoid prolonged storage at elevated temperature.
Materials to avoid	: Avoid contact with strong oxidizing agents.
Thermal decomposition	: Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.
Other data	: No decomposition if stored and applied as directed.
TION 11: Toxicological in	formation
Marlex® HGX-030SP Poly	: Presumed Not Toxic
	nronvleno
Marlex® HGX-030SP Poly Acute dermal toxicity	: Presumed Not Toxic
Acute dermal toxicity Marlex® HGX-030SP Poly	: Presumed Not Toxic
Acute dermal toxicity Marlex® HGX-030SP Poly Skin irritation Marlex® HGX-030SP Poly	 Presumed Not Toxic propylene No skin irritation
Acute dermal toxicity Marlex® HGX-030SP Poly Skin irritation Marlex® HGX-030SP Poly Eye irritation Marlex® HGX-030SP Poly	 Presumed Not Toxic propylene No skin irritation propylene No eye irritation

MATERIAL SAFETY DATA SHEET

Marlex® HGX-030SP Polypropylene

Version 1.4	Revision Date 2012-09-26
Further information	: This product contains POLYMERIZED OLEFINS. During thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes,ketones and organic acids) which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. Generally these irritant effects are all transitory. However, prolonged exposure to irritating off-gases can lead to pulmonary edema. Formaldehyde (an aldehyde) has been classified as a probable human carcinogen by NTP, IARC (2A), and OSHA based on animal data and limited epidemiological evidence.

SECTION 12: Ecological information

Ecotoxicity effects

Elimination information (persistence and degradability)

Bioaccumulation	: Does not bioaccumulate.
Mobility	: The product is insoluble and floats on water.
Biodegradability	: This material is not expected to be readily biodegradable.
Additional ecological information	 This material is not expected to be harmful to aquatic organisms. Fish or birds may eat pellets which may obstruct their digestive tracts.

SECTION 13: Disposal considerations

The information in this MSDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

MSDS Number:10000000482

6/9

MATERIAL SAFETY DATA SHEET

Marlex® HGX-030SP Polypropylene

Version 1.4

Revision Date 2012-09-26

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IATA (INTERNATIONAL AIR TRANS NOT REGULATED AS A HAZARE TRANSPORTATION BY THIS AG	DOUS MATERIAL OR DANGEROUS GOODS FOR
ADR (AGREEMENT ON DANGEROU NOT REGULATED AS A HAZARE TRANSPORTATION BY THIS AG	DOUS MATERIAL OR DANGEROUS GOODS FOR
DANGEROUS GOODS (EUROPE))	THE INTERNATIONAL TRANSPORT OF DOUS MATERIAL OR DANGEROUS GOODS FOR ENCY.
OF DANGEROUS GOODS BY INLA NOT REGULATED AS A HAZARE TRANSPORTATION BY THIS AG	DOUS MATERIAL ÓR DANGEROUS GOODS FOR ENCY.
Transport in bulk according to Annex II SECTION 15: Regulatory information	of MARPOL 73/78 and the IBC Code
Notification status Europe REACH	: On the inventory, or in compliance with the inventory
Europe REACH United States of America US.TSCA United States of America US.TSCA Canada DSL	 On the inventory, or in compliance with the inventory On TSCA Inventory On TSCA Inventory All components of this product are on the Canadian
Canada DSL	DSL list. : All components of this product are on the Canadian
Australia AICS	DSL list.On the inventory, or in compliance with the inventory
Australia AICS Australia AICS	: On the inventory, or in compliance with the inventory
New Zealand NZIoC	: On the inventory, or in compliance with the inventory
New Zealand NZIOC	: On the inventory, or in compliance with the inventory
Japan ENCS	: On the inventory, or in compliance with the inventory
MSDS Number:10000000482	7/9

MATERIAL SAFETY DATA SHEET

Version 1.4

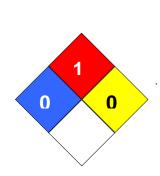
Japan ENCS Korea KECI Korea KECI Philippines PICCS Philippines PICCS China IECSC China IECSC Revision Date 2012-09-26 On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory

SECTION 16: Other information

NFPA Classification

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

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Further information

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this MSDS pertains only to the product as shipped.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ACGIH	American Conference of	LD50	d in the safety data sheet
ACGIT	Government Industrial Hygienists	LDSU	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery

MSDS Number:10000000482

MATERIAL SAFETY DATA SHEET

Version 1.4

Revision Date 2012-09-26

>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

MSDS Number:10000000482

9/9