

POLYPROPYLENE

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUBSTANCE OR PREPATION TRADE NAME	Halene P
CHEMICAL CLASSIFICATION	Polyolefin
COMPANY/ UNDERTAKING NAME AND	Haldia Petrochemicals Limited,
ADDRESS	PO Box No 12, Haldia Plant
	PO Durgachak, Dist Midnapore
	West Bengal, India
	PIN 721 602
TELEPHONE	091-3224-274384 / 274400
EMERGENCY TELEPHONE NUMBER	091-3224-275916

2. COMPOSTION AND INFORMATION ON INGREDIENTS

CHEMICAL	CONTENT	CAS	EXPOSUR	E LIMITS IN A	IR
NAME	(Normal)*	NUMBER	ACGIH	ACGIH	IDLH
			TLV-TWA	TLV-STEL	
Polypropylene	99.25 wt%	9003-07-0	10 mg/m^3	NA	NA
			(inhalable		
			fraction)		
Proprietary	<=0.75 wt%	Mixture			
additives					
* For different grade of PP, minor changes may be there.					

P, minor changes may be there. unificient grau

3. HAZARD CLASSIFICATION

EMERGENCY OVERVIEW		communica explosive r Temperatu	al is not hazardous by ation definition. Dust nixtures with air. At pre- re irritating fumes ma	a may form process	
	EYE	SKIN	ENTIAL HEALTH HAZA	INGESTION	OTHERS
ACUTE	Dust from this produ may cause eye irritation	n Molten polymer e may cause thermal burns	At process temperature- irritating fumes may be produced. Inhalation of process fumes and vapours may cause soreness in the nose and throat and coughing. Exposure to high concentrations of dust may cause slight irritation by mechanical action	Ingestion not a likely route of exposure	
CHRONIC	No known	n chronic health	n effects		
NFPA HA		HEALTH	FLAMMABILITY	REACTIVITY	SPECIAL
SIGNA	ALS	0	1	0	
HAZCHEM	CODE	NA			

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4. FIRST AID MEASURES

SKIN CONTACT	If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissues and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burn is deep or extensive
EYE CONTACT	Flush eyes thoroughly with water for several minutes and seek medical
	attention if discomfort persists
INHALATION	If symptoms are experienced, move victim to fresh air. Obtain medical
	attention if breathing difficulty persists
INGESTION	Adverse health effects due to ingestion are not anticipated

5. FIRE FIGHTING MEASURES

FLASH POINT	NA
AUTO IGNITION TEMP	570 ⁰ C
FLAMMABLE LIMITS IN AIR BY VOL%	LEL%: NA, UEL%: NA
FIRE EXTINGUISHING AGENTS AND	Dry chemical, carbon dioxide, and water,
SPECIAL PROCEDURES	chemical foam, or alcohol resistant foam
UNUSUAL FIRE AND EXPLOSION	Polymer dust particles in the atmosphere are
HAZARDS	combustible and may be explosive. CO, olefinic
	and paraffinic compound, trace amount of organic
	acids, ketones, aldehydes and alcohols may be
	formed during combustion.
SPECIAL PROTECTIVE EQUIPMENT FOR	Wear an approved positive pressure self-
FIREFIGHTERS	contained breathing apparatus and fire-fighter
	turnout gear

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Avoid generating dust. Potential dust explosion hazard. Use only non-sparking tools. Material creates dangerous slipping hazard on hard surfaces
ENVIRONMENTAL	No data available
PRECAUTIONS	
METHOD OF CLEANING	Pick up and retain for recycle or disposal

7. HANDLING AND STORAGE

HANDLING	Keep away from heat, sparks, open flame, or any ignition source. Use with adequate ventilation. Material can make walking hazardous, potentially causing falls and serious injury. After handling always wash hands thoroughly with soap and water.
STORAGE	Store away from excessive heat and away from incompatible substances

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8. EXPOSURE CONTROLS-PERSONAL PROTECTION

VENTILATION AND V ENGINEEERING CONTROL		Vent	ilate area to prevent accumulati	on of dust and fumes
OTHER CONTROL PARAMETERS ava		avail	rgency eye wash fountains and able in the immediate vicinity of good personal hygiene practices	of any potential exposure.
PERSONAL PRC			DTECTION EQUIPMENT	
EYE/ FACE	RESPIRATOR	Y	HAND PROTECTION	BODY PROTECTION
PROTECTION	PROTECTION	N		
Dust service	Use appropriate		Use chemical resistant	Protective clothing
goggles should be	respiratory protect	ion	gloves appropriate to	such as long sleeves or
worn to prevent	where atmosphere		conditions of use. Wear heat	a lab coat should be
mechanical injury	exceeds recommen	nded	protective gloves and	worn
or other irritation to	limits.		clothing if there is a	
eyes due to			potential for contact with	
airborne particles,			heated material.	

9. PHYSICAL AND CHEMIAL PROPERTIES

APPEARANCE	ODOUR	PHYSICAL STATE	BOILING POINT
Pellets, powder	Odourless	Solid	NA
MELTING / FREEZING POINT	SPECIFIC GRAVITY (AT20 ⁰ C) (WATER=1)	РН	SOLUBILITY IN WATER (AT 30 ⁰ C)
168-171 ⁰ C	0.89-0.91	NA	Insoluble
VAPOUR PRESSURE (AT 20 ⁰ C) IN MM Hg	VAPOUR DENSITY (AIR=1)	OTHER INFORMATIONS	VISCOSITY
NA	NA		NA

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	Avoid contact with strong oxidisers, excessive heat, sparks or open flame
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE	Material may be softened by some hydrocarbons. Reacts with fluorine gas
HAZARDOUS DECOMPOSITION PRODUCTS	Not expected to decompose under normal conditions
HAZARDOUS POLYMERIZATION	Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY DATA					
ORAL: LD50 IN (rat) mg/kg DERMAL: LD50 (rabbit)µL/kg					
IRRITANCY OF PRODUCT Dust from this products may cause eye irritation					
REPRODUCTIVE TOXICITY INFORMATION					
REPRODUCTIVE TOXICITY No adverse effects					

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MUTAGENICITY	No adverse effects
EMBRYOTOXICITY	No adverse effects
TERATOGENICITY	No adverse effects

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY	This material is expected to be resistant to
	biodegradation
EFFECT OF MATERIAL ON PLANTS OR	Ecotoxicity is expected to be minimal based on
ANIMALS	the low water solubility of polymers.
EFFECT OF CHEMICAL ON AQUATIC LIFE	This material is not volatile ⁢ is insoluble in
	water. It is not expected to be harmful to fish or
	bacteria.

13. DISPOSAL CONDSIDERATIONS

WASTE	Chemical waste generators must determine whether a discarded chemical is
DISPOSAL	classified as a hazardous waste. US EPA guidelines for the classification
METHODS	determination are listed in 40CFR parts 261.3.additionally; waste generators must
	consult state and local hazardous waste regulations to ensure complete and
	accurate classification.

14. TRANSPORT INFORMATION

	PROPER SHIPPIN G NAME	HAZARD CLASS	IDENTIFICATI ON NUMBER	PACKING GROUP	LABEL REQUIRED	REMARKS
DOT	NA	NA	NA	NA	NA	Not controlled under DOT
TDG	NA	NA	NA	NA	NA	Not controlled under TDG
IMDG	NA	NA	NA	NA	NA	Not controlled under IMDG
ICAO	NA	NA	NA	NA	NA	Not controlled under ICAO

15. REGULATORY INFORMATION

INDIAN REGULATION	Manufacture Import & Storage of hazardous	
	chemical rules. Amended as on 2000	
INTERNATIONA	L REGULATIONS	
TSCA INVENTORY STATUS	Х	
WHMIS CLASSIFICATION	-	
CANADIAN INVENTORY STATUS	-	
EINECS INVENTORY STATUS	Х	
AUSTRALIAN INVENTORY STATUS	Х	
JAPAN INVENTORY STATUS	Х	

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X= All components are included or are otherwise exempt from inclusion on this inventory. Contact HPL for additional information

16. OTHER INFORMATION

DISCLAIMER	Information contained in this material safety data sheet is believed to be reliable but
	no representation, guarantee or warranties of any kind are made as to its accuracy,
	suitability for a particular application or results to be obtained from them. It is upto
	the user/ distributor to ensure that the information contained in the material safety
	data sheet is relevant to the product manufactured/ handled or sold by him as the
	case may be. HPL makes no warranties, expressed or implied, in respect of the
	adequacy of this document for any particular purpose.

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