

Material Safety Data Sheet



I. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name	SK Corporation
Regular Telephone No.	822-2121-6481~4
Emergency Telephone No.	8242-866-7611~7
Address	Head Office) #110-110 99, Seorin-Dong, Jongro-Gu, Seoul, Korea, Tel : 02-2121-6681 ULSAN Complex) 110 Gosa-dong, Nam-gu, Ulsan, Korea, Tel : 052-270-2901 SK R&D Center) 140-1, Wonchon-Dong, Yusong-Gu, Taejon, Korea, Tel : 042-866-7614
Chemical Name & Synonyms	Polypropylene
CAS No.	9010-79-1
UN NO.	
Trade Name & Synonyms	YUPLENE R370Y
Chemical Family	Polyolefin
Formula	{CH ₂ -CH ₂ } _n - CH ₃

II. HAZARDOUS INGREDIENTS

Material or Component	CAS NO.	FDA No.	Result	Hazard Data
Polypropylene	9010-79-1	-	-	N/A
Primary Antioxidant	-	21 CFR 178.2010	Pass	Max. conc. 0.5%
Secondary Antioxidant	-	21 CFR 178.2010	Pass	Max. conc. 0.25%
CI Capture	-	21 CFR 178.2010	Pass	N/A
Clarifying Agent	-	21 CFR 178.3295	Pass	Max. conc. 0.3%

III. PHYSICAL DATA

Boiling Point (at 760 mmHg)	N/A	Melting Point (°C)	140~160
Specific Gravity (g/cm³)	0.90	Vapor Pressure (mmHg at °C)	N/A
Vapor Density (air=1)	N/A	Solubility in H₂O (H₂O (% by wt.)	Insoluble
Volatiles (% by vol.)	Max. 0.2%	Evaporation Rate (air=1)	N/A
Appearance & Odor	Odorless solid, pellets	pH(as is)	N/A
		pH(at dilution)	N/A

IV. FIRE & EXPLOSION DATA

Flash Point (Test Method)	N/A
Autoignition Temperature	N/A
LFL / UFL (in air, % by vol.)	N/A
Extinguishing Media	Water or Dry Chemicals
Special Fire Fighting Procedures	None
Unusual Fire & Explosion Hazard	None

V. HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE

Eye Contact	Not Known
Skin Contact	Molten or heated material can cause serious burns to unprotected skin
Skin Adsorption	None
Inhalation	Nuisance dust can not be caused by handling and operations. Fumes can be generated in operations using heated polyethylene.
Ingestion	Not Known

EFFECTS OF OVER EXPOSURE

Acute over Exposure	N/A
Chronic over Exposure	N/A
Emergency & First Aid Procedures	In case of eye contact, immediately wash with water.

NOTES TO PHYSICIAN

VI. REACTIVITY DATA

Conditions Contributing to Instability	Generally Stable
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products	Thermal decomposition products may include C, CO, CO ₂ , H ₂ O and organic vapors
Conditions Contributing to Hazardous Polymerization	None

VII. SPILL OR LEAK PROCEDURES

Steps to Be Taken If Material Is Released or Spilled	Normal procedure for cleaning up by using a proper vacuum cleaner device. Collect spilled material and transfer to proper containers.
Neutralizing Chemicals	Not needed
Waste Disposal Method of Spill or Leak	All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformation with applicable laws and regulations.

VIII. SPECIAL PROTECTION INFORMATION

Ventilation Requirements	Not normally required
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT	
Respiratory (Specify in Detail)	Not normally required
Eye	Not normally required
Gloves	Not normally required(Wear heat protective clothes if contact with heated material is possible.)
Other Clothing & Equipment	Not normally required(Wear heat protective clothes if contact with heated material is possible.)

IX. SPECIAL PRECAUT

Labeling Information & Warning	N/A
Data for Hazard Information Label	

Version

Date of issue

No. of Classification

Hazard Code 4=Extreme

3=High

2=Moderate

1=Slight

0=Insignificant

Flammability

1

Health 0 0 Reactivity

1

Special

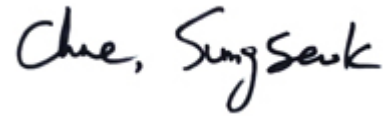
Other Handling & Storage Requirements Keep container closed when not in use and during transportation.

X. DISPOSAL

Waste Disposal Method Refer to Section VII.

Prepared By Tae-Keun Lee

Approved By



Sung-Seok, Chae.
Principal Research Scientist
Leader of Polymers Laboratory