Polypropylene HKR102

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name	Polypropylene HKR102	
Synonyms	Propylene Polymer, Propene Polymer; HKR1022Q	
Use	Industrial use, Raw material for chemical processes	
Company	Sasol Chemicals (USA) LLC (an affiliate of Sasol Chemicals North America LLC)	
Address	12120 Wickchester Lane, Houston, TX 77079	
Telephone	CHEMTREC North America Transportation Emergency (24-hr)	(800) 424 9300
	CHEMTREC World Wide	(703) 527-3887
	Other Emergencies (24-hr)	(337) 494 5142
	SDS and Product Information (8:00am-4:30pm CST)	(281) 588 3491
	Health and Safety Information (7:30am-4:00pm CST)	(281) 588 3492
E-mail address	SasolElectronicSDS@us.sasol.com	

SECTION 2 HAZARDS IDENTIFICATION

OSHA/GHS Hazards Combustible dust

LABEL ELEMENTS

Hazard symbols None

Signal word Warning

Hazard statements May form combustible dust concentrations in air.

Precautionary statements

Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
Prevent dust accumulation.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight percent
Polypropylene	9003-07-0	>98

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

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SECTION 4 FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact Wash off immediately with soap and plenty of water. When symptoms persist or in all cases of doubt seek medical advice. Cool skin rapidly with cold water after contact with hot polymer. Thermal burns require immediate medical attention. No attempt should be made to detach polymer adhering to the skin or to remove clothing attached with molten material. Wash contaminated clothing before re-use.

Inhalation Inhalation of vapours in high concentration may cause irritation of respiratory system. Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

Ingestion If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion Avoid dust formation. Dust may form explosive mixture in air. As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Molten product should not be exposed to water, as it causes violent steam explosions. NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO2)

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

Further information Keep containers and surroundings cool with water spray. Do not use a solid water stream as it may scatter and spread fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Evacuate the area and eliminate all sources of ignition. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Fine dust dispersed in air may ignite. Pick up and arrange disposal without creating dust. Non-sparking tools should be used. Do not flush into surface water or sanitary sewer system.

Spill precautions Material can create slippery conditions.

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SECTION 7 HANDLING AND STORAGE

Safe handling advice Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Dust can form an explosive mixture in air. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Molten polymer: wear heat resistant protective equipment Material can create slippery conditions.

Storage/Transport pressure Ambient

Load/Unload temperature Ambient

Further information on storage conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store with oxidizing and self-igniting substances or materials.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Wear as appropriate: Goggles, Face-shield

Skin Wear suitable protective clothing, gloves and eye/face protection.

Inhalation Use NIOSH approved respiratory protection.

EXPOSURE GUIDELINES

Components	Exposure limit(s)
Nuisance Dust	OSHA TWA 5 mg/m3 Respirable dust
	OSHA TWA 15 mg/m3 Total dust
	ACGIH TWA 10 mg/m3 inhalable dust
	ACGIH TWA 3 mg/m3 Respirable dust

PEL=	Permissible Exposure Limits	TWA=	Time Weighted Average (8 hr.)
TLV=	Threshold Limit Value	STEL=	Short Term Exposure Limit (15 min.)
EL=	Excursion Limit	WEEL=	Workplace Environmental Exposure Level

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance solid;

Colour Clear to slightly hazy

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Form	solid
Odour	Hydrocarbons
Odour Threshold	No data available
Flash point	approximately > 350 °C, > 662 °F;
Flammability	Upper explosion limit: No data available
	Lower explosion limit: No data available
Boiling point/boiling range	Not applicable
Melting point/range	130 - 169 °C, 266 - 329 °F;
Auto-ignition temperature	> 390 °C, >734 °F;
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	0.88 - 0.92 g/cm3
Relative density	0.85 - 0.965
Water solubility	insoluble
Viscosity	No data available
pH	No data available
Evaporation rate	No data available
Partition coefficient: n-octanol/water	No data available

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SECTION 10 STABILITY AND REACTIVITY

Reactivity Stable at normal ambient temperature and pressure.
Continuous heating above 160C will cause thermal oxidation

Chemical stability No decomposition if stored and applied as directed.

Conditions to avoid None.

Hazardous decomposition products Carbon oxides Acrolein Formaldehyde-like organic vapors

Materials to avoid Oxidizing agents
Solvents

Hazardous polymerisation None.

SECTION 11 TOXICOLOGICAL INFORMATION

Additional Remarks Information given is based on data obtained from similar substances.

Acute dermal toxicity No data available

Acute inhalation toxicity No data available

Acute oral toxicity No data is available on the product itself.

Skin corrosion/irritation No data is available on the product itself.

Serious eye damage/eye irritation No data is available on the product itself.

Respiratory or skin sensitisation No data available

Germ cell mutagenicity **Genotoxicity in vitro**:
No data available

Genotoxicity in vivo:
No data available

Assessment Mutagenicity:
No data available

Reproductive toxicity	**Reproductive toxicity:** No data available **Assessment Reproductive toxicity:** No data available **Teratogenicity:** No data available **Assessment teratogenicity:** No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available
Carcinogenicity	**Assessment carcinogenicity:** Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity	Aquatic toxicity is unlikely due to low solubility.
Toxicity to fish	No data available
Toxicity to aquatic invertebrates	No data available
Toxicity to algae	No data available
Chronic toxicity to fish	No data available
Chronic toxicity to aquatic invertebrates	No data available
Biodegradation	This material is not expected to be biodegradable.
Bioaccumulative potential	No data available
Mobility in soil	No data available

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Other adverse effects No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Code Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.

Disposal methods Dispose of only in accordance with local, state, and federal regulations.

Empty containers. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

SECTION 14 TRANSPORT INFORMATION

DOT not regulated

IATA not regulated

IMDG not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No data available

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Inventory Listing

Components	CAS-No.
1-Propene, homopolymer	9003-07-0

All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

SARA 302 Status

Components	CAS-No.	Weight percent

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Classification
Combustible dust

SARA 313 Chemical

Components	CAS-No.	Weight percent

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components	Reportable Quantity	Weight percent
none		

INTERNATIONAL REGULATIONS

WHMIS Classification
Combustible dust

European Union
The product does not need to be labelled in accordance with EC directives or respective national laws.

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. ISHL - Inventory of Chemical Substances	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canada. Non-Domestic Substance Listing (NDSL)	Not listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Listed
New Zealand. Inventory of Chemical Substances (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Not listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

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STATE REGULATIONS

California Prop. 65

Components	CAS-No.
none	

SECTION 16 OTHER INFORMATION

HAZARD RATINGS

	Health	Flammability	Physical Hazard/ Instability
HMIS®	0	1	0
NFPA	0	1	0

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