SAFETY DATA SHEET

according to US-Regulation 29 CFR 1910.1200 (HCS), as ammended

Polypropylene Homopolymer
OP001A

Version / Revision	1	**Revision Date**	17-May-2021
Supersedes Version	-	**Issuing date**	17-May-2021

SECTION 1: Identification

1.1. Product identifier

Identification of the substance/preparation

Polypropylene Homopolymer

Synonyms HP3107K / HP5105R / HP2148P / HP2106N / HP1106K / HP2148T / HP2148TC / HP2100L

Product form Mixture

CAS-No 9003-07-0

1.2. Relevant identified uses of the substance or mixture and uses advised against

Industrial / Professional use spec Industrial
For professional use only
Identified uses Industrial processing & uses
Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

OQ Plastics L.L.C.
Sohar Industrial Plant
P.O. Box 282
Sohar Oman

OQ Marketing, L.L.C.
PO Box 3568
PC 112 Ruwi, Muscat, Sultanate of Oman
T +968 22144274 / +968 91999088
polymers@oq.com - www.oq.com

1.4. Emergency telephone number

Emergency telephone number NCEC +1 202 464 2554
available 24/7

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not hazardous in accordance with paragraph (d) of §1910.1200 (GHS-US classification).

OSHA Specified Hazards Not applicable.

2.2. Label elements

Not required according to §1910.1200 (GHS-US labeling).

2.3. Other hazards

Dust can form an explosive mixture in air
Eye mechanical irritation is possible
Polymers are not expected to be hazardous to the environment

SECTION 3: Composition / information on ingredients

3.1. Substances not applicable

3.2. Mixtures

Component	CAS-No	Concentration (%)
Polypropylene	9003-07-0	> 99
Non-hazardous additives	-	< 1

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation
If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow the victim to rest.

Skin
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. After contact with the molten product, cool rapidly with cold water. Removal of solidified molten material from skin requires medical assistance.

Eyes
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth. If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation
Inhalation of vapors may cause respiratory irritation.

Symptoms/effects after skin contact
Risk of thermal burns on contact with molten product.

Symptoms/effects after eye contact
Causes serious eye irritation.

Symptoms/effects after ingestion
Risk of thermal burns on contact with molten product. May be a choking hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment
Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard
Burning produces irritating, toxic and noxious fumes. Combustible dust.

Explosion hazard
Dust may form explosive mixture in air. Dust cloud in combination with static electricity can very be explosive.

5.3. Advice for firefighters

Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Keep people away from and upwind of fire.

Protection during firefighting
Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Do not breathe vapor. Do not breathe dust. Use personal protective equipment as required. Ground/bond container and receiving equipment.

6.1.1. For non-emergency personnel

Protective equipment
Refer to section 8.2.

Emergency procedures
Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment
Refer to section 8.2.

Emergency procedures
Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions
Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for containment
Avoid generating dust. Contain and collect as any solid.

Methods for cleaning up
On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

For personal protective equipment see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Ground/bond container and receiving equipment.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures
Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions
Keep only in the original container. Keep container closed when not in use.

Incompatible products
Moisture. Strong oxidizers.

Incompatible materials
Sources of ignition. Direct sunlight.

Storage area
Store in dry, cool, well-ventilated area. Store in a dark area.

7.3. Specific end use(s)

Industrial processing & uses

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits United States of America

US ACGIH

Component	TWA (mg/m³)	TWA (ppm)	STEL (mg/m³)	STEL (ppm)
Dust, general threshold limit value (inhalable fraction) CAS: -	10			
Dust, general threshold limit value (respirable fraction) CAS: -	3			

US OSHA Z-1

Component	Ceiling (mg/m³)	Ceiling (ppm)	PEL (mg/m³)	PEL (ppm)	Skin Designation
Dust, general threshold limit value (inhalable fraction) CAS: -			15		
Dust, general threshold limit value (respirable fraction) CAS: -			5		

Note
For details and further information please refer to the original regulation.

8.2. Exposure controls

Appropriate Engineering controls
Avoid dispersal of dust in the air (clearing dust surfaces with compressed air). Emergency eye wash fountains and

safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation. Use spark-/explosion proof appliances and lighting system.

Personal protective equipment

Avoid all unnecessary exposure.

Hand protection
Wear dust impervious gloves. Nitrile rubber. Neoprene/natural rubber. Heat protective impervious gloves when handling molten product.

Eye protection
Chemical goggles or safety glasses. When handling in molten state: Face shield.

Skin and body protection
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material.

Thermal hazard protection
Flame retardant clothing should be used when handling in molten state.

Other information
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	granules, pellets
Colour	white, clear
Odour	slight
Odour threshold	No data available
pH	No data available
Melting point/range	311 - 338 °F (155 - 170 °C)
Boiling point/range	No data available
Flash point	608 °F (> 320 °C)
Evaporation rate	No data available
Flammability (solid, gas)	not flammable
Lower explosion limit	< 10 g/m³
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available

Relative density

Values	@ °C	@ °F	Method

900 - 920	-	-	-

Solubility No data available
log Pow No data available
Autoignition temperature 662 °F (> 350 °C)
Decomposition temperature > 572 °F (> 300 °C)
Viscosity No data available

9.2. Other information

Molecular formula $-(C_3H_6)_x-$
Oxidizing properties No data available
Bulk density 550 - 630 kg/m³
Explosive properties No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Avoid creating or spreading dust.

10.5. Incompatible materials

Strong oxidizers. Moisture.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Burning produces irritating, toxic and noxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure Eye contact, Ingestion, Inhalation, Skin contact

Acute toxicity
Polypropylene (9003-07-0)

Routes of Exposure	Endpoint	Values	Species	Method
Oral	LD50	> 5000 mg/kg	rat	
Dermal	LD50	> 2000 mg/kg	rat	

Polypropylene, CAS: 9003-07-0
Assessment
Based on available data, the classification criteria are not met for:
Acute oral toxicity
Acute dermal toxicity
For acute inhalation toxicity, no data are available

Polypropylene, CAS: 9003-07-0
Assessment
For skin irritation, no data are available
For eye irritation, no data are available
For respiratory irritation, no data are available

Polypropylene, CAS: 9003-07-0
Assessment
For skin sensitization, no data are available
For respiratory sensitization, no data are available

Polypropylene, CAS: 9003-07-0
Assessment
For subacute, subchronic and prolonged toxicity, no data are available

Polypropylene, CAS: 9003-07-0
Evaluation
For carcinogecity, no data are available
For mutagenicity, no data are available
For reproductive toxicity, no data are available

Polypropylene, CAS: 9003-07-0
Aspiration toxicity
no data available

SECTION 12: Ecological information

12.1. Toxicity
No data available

12.2. Persistence and degradability

Polypropylene, CAS: 9003-07-0
Biodegradation
Not readily biodegradable.

12.3. Bioaccumulative potential
Not expected to bioaccumulate

12.4. Mobility in soil
Low mobility (soil)

12.5. Results of PBT and vPvB assessment
Not required

12.6. Other adverse effects
No data available

Note
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	Avoid release to the environment.

SECTION 14: Transport information

Section 14.1 - 14.6

D.O.T. (49CFR)	Not restricted
ICAO-TI / IATA-DGR	Not restricted
IMDG	Not restricted
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	not applicable

SECTION 15: Regulatory information

Federal and State Regulations
Components of the product are listed in the quoted regulations. For details please refer to the regulations directly. This list is not exhaustive, please check for other applicable regulations.

Federal Regulations
This product is listed on the TSCA inventory

International Inventories

Polypropylene, CAS: 9003-07-0
AICS (AU)
DSL (CA)
IECSC (CN)
ENCS (6)-402 (JP)
ISHL (6)-402 (JP)
KECI KE-29389 (KR)
INSQ (MX)
PICCS (PH)
TSCA (US)
NZIoC-NZ May be used as single component chemical
TCSI (TW)

SECTION 16: Other information

Revision Date	17-May-2021
Issuing date	17-May-2021

Hazard Rating Systems

NFPA (National Fire Protection Association)

Health Hazard	0
Fire Hazard	1
Reactivity	0

HMIS (Hazardous Material Information System)

Health Hazard	0
Flammability	1
Physical Hazard	0

Abbreviations
A table of terms and abbreviations can be found under the following link:
http://echa.europa.eu/documents/10162/13632/information_requirements_r20_en.pdf

Training advice
For effective first-aid, special training / education is needed.

Sources of key data used to compile the datasheet
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at https://echa.europa.eu/en/information-on-chemicals/cl-inventory-database. European Chemicals Agency (ECHA) Registered Substances list. Accessed at http://echa.europa.eu/. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

Further information for the safety data sheet
Changes against the previous version are marked by ***. Observe national and local legal requirements. For more

information, other safety data sheets or technical data sheets please consult the OQ homepage (www.oq.com). The use of a comma in section 3 and section 7 to 12 is the same as a period.

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Disclaimer
This Information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing and specific property of the product.

End of Safety Data Sheet