SAFETY DATA SHEET

according to REACH Regulation (EC) No. 1907/2006, as amended by UK REACH Regulations SI 2019/758

Luban HP4128N
30108

Version / Revision	1	**Revision Date**	31-Mar-2022
Supersedes Version	-	**Issuing date**	22-May-2023

SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1. Product identifier

Identification of the substance/preparation **Luban HP4128N**

Polymer family Polypropylene Homopolymer
CAS-No 9003-07-0
EC No. 618-352-4

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

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 Refineries and Petroleum Industries, L.L.C.
OQ Muscat office (HQ), Muscat Grand Mall
Muscat, 118
Oman

1.4. Emergency telephone number

Emergency telephone number -

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Based on present data no classification and labelling is required according to Directive 1272/2008/EC and its amendments (CLP Regulation)

2.2. Label elements

Not required.

2.3. Other hazards

Dust can form an explosive mixture in air
Eye mechanical irritation is possible

PBT and vPvB assessment Not required

Endocrine disrupting assessments The substance is not listed on the candidate list according to Art. 59(1), REACh. The substance was not assessed as having endocrine disrupting properties according to regulation 2017/2100/EU or 2018/605/EU.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Component	CAS-No	1272/2008/EC	Concentration (%)
Polypropylene	9003-07-0	-	> 99
Non-hazardous additives	-	-	< 1

Remarks
This SDS covers prime and near-prime materials of the grade identified in section 1.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, seek medical attention.

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

Main symptoms
Inhalation of vapors may cause respiratory irritation, Risk of thermal burns on contact with molten product, Causes serious eye irritation, May be a choking hazard.

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

General advice
Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

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

Burning produces irritating, toxic and noxious fumes
Combustible dust
Dust may form explosive mixture in air. Dust cloud in combination with static electricity can very be explosive

5.3. Advice for firefighters

Special protective equipment for firefighters
Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire-fighting turn out gear.

Precautions for firefighting
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. Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. EN469.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: For personal protective equipment see section 8. 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. Evacuate unnecessary personnel.
For emergency responders: Personal protection see section 8.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

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. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

6.4. Reference to other sections

For personal protective equipment see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on 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.

Hygiene measures
Do not eat, drink or smoke during use.

Advice on the protection of the environment
See Section 8: Environmental exposure controls.

Incompatible products
Moisture
Strong oxidizers
Sources of ignition
Direct sunlight
Heat, flames and sparks

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion
Risk of dust explosion in fine crystalline powder form. Dust can form an explosive mixture in air. Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material.

Technical measures/Storage conditions
Proper grounding procedures to avoid static electricity should be followed. Keep only in the original container. Keep container closed when not in use. Store in dry, cool, well-ventilated area. Store in a dark area.

Temperature class
T2

7.3. Specific end use(s)

Industrial processing & uses

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits European Union

No exposure limits established

Exposure limits UK

EH40 WELs

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: -	4			

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

DNEL & PNEC

Not required.

8.2. Exposure controls

Special adaptations (REACh)
This substance is exempted from REACh (1907/2006).

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

General industrial hygiene practice
Do not eat, drink or smoke during use.

Hygiene measures
Do not eat, drink or smoke during use.

Eye protection
Chemical goggles or safety glasses. When handling in molten state: Face shield.
Equipment should conform to EN 166

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

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

Environmental exposure controls
If possible use in closed systems. If leakage can not be prevented, the substance needs to be suck off at the emersion point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains.

Additional advice
Further details on substance data can be found in the registration dossier under the following link: http://echa.europa.eu/information-on-chemicals/registered-substances.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour	white, clear
Odour	slight
Odour threshold	No data available
Melting point/freezing point	120 - 170 °C

Boiling point or initial boiling point and boiling range	No data available
Flammability	Ignitable
Lower explosion limit	< 10 g/m³
Upper explosion limit	No data available
Flash point	> 320 °C
Autoignition temperature	> 350 °C
Decomposition temperature	> 300 °C
pH	No data available
Kinematic Viscosity	No data available
Solubility	No data available
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available

Density and/or relative density

Values	@ °C	@ °F	Method
900 - 920	-	-	-

Relative vapour density	No data available
Particle characteristics	not applicable

9.2. Other information

Explosive properties	No data available
Oxidizing properties	No data available
Molecular formula	$-(C_3H_6)_x-$
Bulk density	550 - 630 kg/m³
Evaporation rate	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 hazard classes as defined in Regulation (EC) No 1272/2008

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
CMR Classification
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

11.2. Information on other hazards

Endocrine disrupting properties
The substance has not been identified as having endocrine disrupting properties in accordance with section 2.3.

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. Endocrine disrupting properties

The substance has not been identified as having endocrine disrupting properties in accordance with section 2.3.

12.7. Other adverse effects

Note
Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product Information
Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
Waste Code
For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information

Section 14.1 - 14.6

ADR/RID	Not restricted
ADN	Not restricted
ICAO-TI / IATA-DGR	Not restricted
IMDG	Not restricted

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation 1272/2008, Annex VI

not listed

DI 2012/18/EU (Seveso III)
Category not subject

DI 1999/13/EC (VOC Guideline)

Component	Status
Polypropylene CAS: 9003-07-0	not subject

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 No. 758

Component	Status
Polypropylene CAS: 9003-07-0	The monomers are pre-registered when required

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

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 with note
TCSI (TW)

National regulatory information Great Britain

Releases to air (Pollution Inventory Substances)

Component	Annual reporting level threshold
Dust, general threshold limit value (inhalable fraction) CAS: -	10 tonnes, listed as particulates - total

Releases to water (Pollution Inventory Substances)
not subject

Releases to sewer (Pollution Inventory Substances)
not subject
For details and further information please refer to the original regulation

15.2. Chemical safety assessment

The Chemical Safety Report (CSR) is not required.

SECTION 16: Other information

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
Information contained in this safety data sheet is based on OQ owned data and public sources deemed valid or acceptable. The absence of data elements required by OSHA, ANSI or Annex II, Regulation 1907/2006/EC indicates, that no data meeting these requirements is available.

Further information for the safety data sheet
Changes against the previous version are marked by ***. For more information, other safety data sheets or technical data sheets please consult the OQ homepage (www.oq.com).
The annex is not required because this material is exempted from REACh

Disclaimer
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End of Safety Data Sheet