



JV "Uz-Kor Gas Chemical" LLC

Material Safety Data Sheet (MSDS)

PP FR-160 grade

According to Regulation (EC) No. 2020/878

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

1.1 Product identifier

Product Name : Polypropylene, GRADE: FR-160

Other means of identification : No data

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

Relevant identified uses : Raw materials, Intermediates

Uses advised against : Use for recommended use only

1.3 Details of the supplier of the safety data sheet

Seller name : JV "Uz-Kor Gas Chemical" LLC.

Address : Akchalak, Kungrad region, Republic of Karakalpakstan,
Uzbekistan

Telephone & Fax : +99878129-29-00

1.4 Emergency telephone number : +998612267225

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

-Not applicable

2.2 Label elements

Hazard pictogram : Not applicable

Signal word : NONE

Hazard statements : Not applicable

Precautionary statements : Not applicable

2.3 Other hazards

- According to experience and information provided, this product does not affect harmful effects when used and handling it as a regulation.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Substance name	Common name	CAS No	Content [weight%]
Polypropylene	Polypropylene, Propene polymer, Polypropylene wax	9002-88-4	≥ 95 ~ ≤ 100

SECTION 4: First aid measures

4.1 Description of first aid measures

- Following eye contact : Call a physician immediately.
- Following skin contact : Get medical attention if irritation develops and persists.
Remove contaminated clothing and shoes.
- Following inhalation : If symptoms persist, call a physician.
Move to fresh air.
- Following ingestion : If accidentally swallowed obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

: No data available

4.3 Indication of any immediate medical attention and special treatment needed

: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Large fire: Water spray/fog, regular foam (Suitable extinguishing media).
Small fire: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO2 (Suitable extinguishing media).
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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 (Hazardous combustion products)

Pyrolytic product : No data available

Risk of fire and explosion : Heating or fire can release toxic gas.

Other : May cause toxic effects if inhaled.

5.3 Advice for firefighters

: Dike fire-control water for later disposal; do not scatter the

material.

Evacuate area and fight fire from a safe distance.

Fire involving Tanks: ALWAYS stay away from tanks engulfed in fire; Cool containers with flooding quantities of water until well after fire is out; Fight fire from maximum distance or use unmanned hose holders or monitor nozzles; For massive fire, use unmanned hose holders or monitor nozzles, if this is impossible, withdraw from area and let fire burn; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank; Move containers from fire area if you can do it without risk.

Substance may be transported in a molten form.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment : The wearing of suitable protective equipment to prevent any contamination of skin, eyes and personal clothing.

Emergency procedures : Removal of ignition sources, provision of sufficient ventilation. Avoid dust formation.

6.1.2 For emergency responders : Wear protective equipment and keep unprotected persons away. Refer to section 8.2.

6.2 Environmental precautions : Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment : Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

6.3.2 For cleaning up : Clear spills immediately.
Don't use a brush or compressed air for cleaning surfaces or clothing.

6.3.3 Other information : Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

Absorb the liquid and scrub the area with detergent and water.

6.4 Reference to other sections : Section 8 (protective equipment), section 13 (disposal instructions)

SECTION 7: Handling and storage
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- 7.1 Precautions for safe handling : Avoid breathing vapors from heated material.
Do not enter storage area unless adequately ventilated.
Follow all MSDS/label precautions even after container is emptied because they may retain product residues.
Handling refer to engineering control/personal protection section.
Loosen closure cautiously before opening.
Please note that materials and conditions to be avoided.
Keep away from heating source.
Use care in handling/storage.
Use only in a well-ventilated area.
- 7.2 Conditions for safe storage, including any incompatibilities : Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame, and sparks. Ventilate enclosed storage areas, such as trailers and railcars, before entering.
Have emergency equipment for fires and spills readily available.
- 7.3 Specific end uses : See section 1 for recommended use.

SECTION 8: Exposure controls / personal protection

- 8.1 Control parameters : Contains no substances with occupational exposure limit values.
- 8.2 Exposure controls
- 8.2.1 Appropriate engineering controls : If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- 8.2.2 Individual protection measures, such as personal protective equipment
- Eye/face protection : If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles
- Skin protection : Hand protection - Wear chemical safety gloves.
Other - No data available
- Respiratory protection : If you have a direct contact or exposed to the material, wear the appropriate form of respiratory protection certified.
- Thermal hazards : Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
- 8.2.3 Environmental exposure controls : Ensure not to cause environmental pollution by discharging into

rivers or other waterways.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Pellet form
Physical state	: Solid
Color	: transparent
Odor	: Odorless
Odor threshold	: No data available
pH	: Not applicable
Melting point/freezing point	: 150 - 170 °C
Initial boiling point and boiling range (0C)	: Not applicable
Flash point (0C)	: No data available
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: Not applicable
Solubility(ies)	: Insolubility
Vapour density	: Not applicable
Relative density	: No data available
n-octanol/water partition coefficient	: No data available
Auto ignition temperature	: > 380 °C
Decomposition temperature	: > 300 °C
Viscosity(MM ² /s, 40 °C)	: No data available
Molecular weight(mass)	: > 1 000 g/mol
Density	: 0.89 - 0.91 g/cm ³
Specific gravity	: No data available

9.2 Other information

9.2.1 Information with regard to physical hazard classes	: No data available
9.2.2 Other safety characteristics	: No data available

SECTION 10: Stability and reactivity

10.1 Reactivity	: Containers may explode when heated. Fire may produce irritating, corrosive and/or toxic gases. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
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	Some may burn but none ignite readily.
10.2 Chemical stability	: Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	: There are no known dangerous reactions to these products. Polymerization will not occur.
10.4 Conditions to avoid	: Ignition source(heat, spark, flame, etc.).
10.5 Incompatible materials	: Combustibles, reducing material.
10.6 Hazardous decomposition products	: Corrosive/toxic fume. Irritating, corrosive and/or toxic gas.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute toxicity(Oral)	: Polyethylene, LD50> 8 000 mg/kg experimental species: Rat
Acute toxicity(Dermal)	: Not classified (No data available)
Acute toxicity(Inhalation: Gases)	: Not classified (No data available)
Acute toxicity(Inhalation: Vapors)	: Not classified (No data available)
Acute toxicity(Inhalation: Dust/mist)	: Polyethylene, 75.5 mg/l (Exposure time : 30 min) experimental species: Rat
Skin corrosion/irritation	: Not classified (No data available)
Serious eye damage/eye irritation	: Not classified (No data available)
Respiratory sensitization	: Not classified (No data available)
Skin sensitization	: Not classified (No data available)
Carcinogenicity	: Not classified (group 3 IARC)
Germ cell mutagenicity	: Not classified (No data available)
Reproductive toxicity	: Not classified (No data available)
STOT – single exposure	: Category 3(Respiratory tract irritation): If breathing dust causes inflammation of the lungs in laboratory animals (rats).
STOT – repeated exposure	: Not classified (No data available)
Aspiration hazard	: Not classified (No data available)

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties	: According to Regulation (EU) 2017/2100 and 2018/605, the substance not affects to endocrine system.
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11.2.2 Other information : No other hazards have been identified

SECTION 12: Ecological information

12.1 Toxicity : No data available
 12.2 Persistence and degradability : No data available
 12.3 Bioaccumulative potential : No data available
 12.4 Mobility in soil : No data available
 12.5 Results of PBT and vPvB assessment : No data available
 12.6 Endocrine disrupting properties : According to Regulation (EU) 2017/2100 and 2018/605, the substance not affects to endocrine system.
 12.7 Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product / Packaging disposal : Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Physical/chemical properties that may affect waste treatment options : No data available
- Waste treatment-relevant information : Disposal according to local regulations.
- Sewage disposal-relevant information : Disposal according to local regulations and avoid release to the environment.
- Other disposal recommendations : No data available

SECTION 14: Transportation requirements

14.1 UN number or ID number : Not applicable
 14.2 UN Proper shipping name : Not applicable
 14.3 Transport hazard class(es) : Not applicable
 14.4 Packing group : Not applicable
 14.5 Environmental hazards : No
 14.6 Special precaution for user
 Emergency measures in case of fire : Not applicable
 Emergency measures in the effluent : Not applicable
 14.7 Maritime transport in bulk according to IMO instruments : No data available
 ADR
 - Tunnel restriction code : Not applicable
 IMDG
 - Marine pollutant : No

SECTION 15: Regulatory information

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

15.1.1 EU regulations

- EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances : Not applicable
- EU - REACH (1907/2006) - Annex XIV - Substances Subject to Authorization : Not applicable

15.1.2 Other EU regulations

- EU - Persistent Organic Pollutants (POPs) (2019/1021) - Annex III - Substances Subject to Release Reduction Provisions : Not applicable
- EU - Persistent Organic Pollutants (POPs) (2019/1021) - Annex I - Substances Subject to Prohibitions : Not applicable
- EU - Persistent Organic Pollutants (POPs) (2019/1021) - Annex IV - Waste Management – Concentration Limits : Not applicable
- EU - Persistent Organic Pollutants (POPs) (2019/1021) - Annex V - Waste Management - Maximum Concentration Limits : Not applicable
- EU - Substances Depleting the Ozone layer (1005/2009) - Annex I Substances : Not applicable
- EU - Substances Depleting the Ozone layer (1005/2009) - Annex II Part A Substances : Not applicable
- EU - Substances Depleting the Ozone layer (1005/2009) - Annex II Part B Substances : Not applicable
- EU - Paints, Varnishes, Vehicle Refinishing Products (2004/42/CE) - Annex II A - WB Phase 1 - VOCs : Not applicable
- EU - Paints, Varnishes, Vehicle Refinishing Products (2004/42/CE) - Annex II A - WB Phase 2 - VOCs : Not applicable
- EU - Paints, Varnishes, Vehicle Refinishing Products (2004/42/CE) - Annex II B - Vehicles - VOCs : Not applicable
- EU - Paints, Varnishes, Vehicle Refinishing Products (2004/42/CE) - Annex II A - SB Phase 1 - VOCs : Not applicable
- EU - Paints, Varnishes, Vehicle Refinishing Products (2004/42/CE) - Annex II A - SB Phase 2 - VOCs : Not applicable
- EU - Seveso III Directive (2012/18/EU) - Qualifying Quantities of Dangerous Substances - Lower-Tier Requirements : Not applicable
- EU - Seveso III Directive (2012/18/EU) - Qualifying Quantities of Dangerous Substances - Higher-Tier Requirements : Not applicable
- EU - Export and Import Restrictions (649/2012) - Chemicals

- Subject to Export Notification Procedure : Not applicable
- EU - Export and Import Restrictions (649/2012) - Chemicals and Articles Subject to Export Ban : Not applicable
- EU - Export and Import Restrictions (649/2012) - Chemicals Subject to the PIC Procedure under the Rotterdam Convention : Not applicable
- EU - Export and Import Restrictions (649/2012) - Chemicals Qualifying for PIC Notification : Not applicable
- EU - Industrial Emissions (2010/75/EU) - Integrated Pollution Prevention and Control Directive - List of Polluting Substances : Not applicable
- EU - Fluorinated Gases (517/2014) - Global Warming Potential : Not applicable

15.2 Chemical Safety Assessment

- A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

16.1 Key literature references and sources for data

NCIS, KOSHA, Montreal Protocol, ECHA, OECD SIDS, EU IUCLID, HSDB(PubChem), NITE, NTP, ACGIH, IARC, NIOSH, ChemIDplus, EPA, EPI Suite, INCHEM

16.2 Issuing date: 01-2016

16.3 Revision date

- Revision number: 2.0
- Revision date: 02-2023

16.4 Abbreviations and acronyms

ACGIH : American Conference of Governmental Industrial Hygienists

ADR : Agreement Concerning the International Carriage of Dangerous Goods by Road

HSDB : Hazardous Substances Data Bank

IARC : International Agency for Research on Cancer

IMDG : International Maritime Dangerous Goods Codes

INCHEM : Internationally Peer Reviewed Chemical Safety Information

NIOSH : National Institute of Occupational Safety and Health

NTP : National Toxicology Program

NITE : National Institute of Technology and Evaluation(JAPAN)

OECD SIDS : Organization for Economic Co-operation and Development Screening Information Dataset