SAFETY INFORMATION SHEET

POLYPROPYLENE HC205TF

1. IDENTIFICATION

Product name: HC205TF
Intended use: Raw material for plastic industry

Manufacturer: Abu Dhabi Polymers Co. Ltd (Borouge)
Address: P.O. Box 11764, Ruwais, U.A.E.
Telephone: +9712 7080000
Facsimile: +9712 7080999

Supplier: Borouge Pte Ltd
Address: 1 George Street, #18-01, Singapore 049145
Telephone: +65 6275 4100
Facsimile: +65 6377 1233
Email: info@borouge.com

2. HAZARDS IDENTIFICATION

GHS classification:

Physical: No classification.
Health: No classification.
Environmental: No classification.
Other hazards: The product burns, but is not classified as flammable.
Inhalation of dust may irritate the respiratory tract.
Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.
Dust from the product (when mixed with air in critical proportions and in the presence of an ignition source) may present a dust explosion hazard.
Spilled material may present a slipping hazard.

GHS label elements:

Pictograms: Nil.
Signal word: Nil.
Hazard Statements: Nil.
Precautionary statements: Nil.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The product is a polypropylene polymer.
Contains no substance classified as hazardous in concentrations, which should be taken into account according to Singapore Standard SS 586: Part 2: 2022 (Globally Harmonized System of classification and labelling of chemicals – Singapore adaptations).

4. FIRST AID MEASURES

Inhalation:	If experiencing respiratory symptoms: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice / attention.
Skin contact:	If molten material comes in contact with skin, cool with plenty of water. Do not remove solidified product.
Eye contact:	No specific instruction needed.
Ingestion:	No specific instruction needed.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water in spread jet, dry chemicals, foam or Carbon Dioxide.
Specific hazards during fire-fighting:	Product will burn under fire conditions. Dust from the product (when mixed with air in critical proportions and in the presence of an ignition source) may present a dust explosion hazard. Principal toxicant in the smoke is Carbon Monoxide.
Special protective actions for fire-fighters:	Fire fighters should wear self-contained breathing apparatus, boots, gloves, goggles and full protective clothing. Extinguish from the upwind direction.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures:	No flames, No sparks. Eliminate all sources of ignition. Avoid breathing dust. Use personal protective equipment as required. Refer to Section 8: Exposure Controls / Personal Protection.
Methods for cleaning up:	Suck or sweep up spill. All spill of material must be removed immediately to prevent slipping accidents. Prevent product from entering environment and drains

7. HANDLING AND STORAGE

Handling:	During processing and thermal treatment of the product, small amounts of volatile hydrocarbons may be released. Provide adequate ventilation. Local exhaust ventilation may be necessary. Avoid inhalation of dust and decomposition fumes. Dust from the product gives a potential risk for dust explosion. Avoid the formation or spread of dust in the atmosphere. Avoid the build-up of dust. Clean regularly. Ground container and receiving equipment. Take precautionary measures against static discharge
Storage:	Safety aspects do not require any special precautions in terms of storage. Keep in a dry place at temperatures below 50°C and protected from UV-light. More information on storage can be found in Product Data Sheet (PDS) for this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Basis	Control parameters / Occupational exposure limits	
Inhalable dust	USA / ACGIH	TLV-TWA:	10 mg/m^3
	UK HSE EH40/2005	8 hr TWA:	10 mg/m^3
Respirable dust	USA / ACGIH	TLV-TWA:	3 mg/m^3
	UK HSE EH40/2005	8 hr TWA:	4 mg/m^3

Engineering controls: Extraction to remove dust at its source. Provide adequate ventilation. Local exhaust ventilation may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, pellet, natural colour	Melting point / range:	130-170ºC
Odour:	Odourless	Ignition temperature:	>320ºC
Density:	0.9-1.0g/cm^3	Solubility in water:	Insoluble in water

10. STABILITY AND REACTIVITY

Chemical stability:	The product is a stable thermoplastic.
Reactivity:	No chemical reactivity
Conditions to avoid:	Dusty conditions, heat, open flame, spark, static electricity.
Incompatible materials:	Nil.
Hazardous decomposition materials:	On combustion releases: Oxides of Carbon.

11. TOXICOLOGICAL INFORMATION

The product is not classified as a hazardous mixture according to Singapore Standard SS 586: Part 2: 2022 (Globally Harmonized System of classification and labeling of chemicals – Singapore adaptations).
However, inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract.

12. ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment according to Singapore Standard SS 586: Part 2: 2022 (Globally Harmonized System of classification and labeling of chemicals – Singapore adaptations).

13. DISPOSAL CONSIDERATIONS

Reuse or recycle if not contaminated. The product may be safely used as fuel. Proper combustion does not require any special flue gas control. Check with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Remarks: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

15. REGULATORY INFORMATION

Chemical inventory	Status
Australia / AIIC	Y
Canada / DSL:	Y
China / IECSC:	Y
Europe / EINECS or ELINCS or NLP:	P
Japan / ENCS:	Y
Korea / KECI:	Y
New Zealand / NZIoC:	E
Philippines / PICCS:	Y
Taiwan / TCSI:	Y
USA / TSCA (all relevant ingredients designated as active):	Y

Y = All ingredients are on the inventory.
E = All ingredients are on the inventory or exempt from listing.
P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list.
All other ingredients are on the inventory or exempt from listing.
N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

16. OTHER INFORMATION

Reasons for revision: Changes and / or additions made to Sections 2, 7,15 and 16.
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For more information:
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