133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535 Tel: +65-6227 6365 Fax: +65-6225 6286

www.chemtradeasia.com



Material Safety Data Sheet POLYPROPYLENE

Section 1 - Product Identification

Chemical Formula : $(C_3H_6)_n$

Company Identification : Tradeasia International Pte. Limited

Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore

Tel: +65-6227 6365 Fax: +65-6225 6286

Email: contact@chemtradeasia.com

Recommended use of the chemical and restrictions on use Industrial use only. Raw material for plastics processing industry.

Section 2 - Composition/Information on Ingredients

Chemical Name	CAS No	Purity, %
Polypropylene homopolymer	9003-07-0	min. 99.9

Section 3 - Hazards Identification

Not classified as dangerous for supply/use.

Section 4 – First-Aid Measures

4.1 Inhalation Remove patient from exposure. Keep patient at rest and give oxygen if breathing

is difficult. If symptoms develop, obtain medical attention.

4.2 Skin Contact After contact with skin, wash immediately with plenty of soap and water. In case

of burns from hot material immediately cool affected skin as long as possible

with cold water. Obtain medical attention.

4.3 Eye Contact Remove particles by irrigating with eye wash solution or clean water, holding the

eyelids apart. If symptoms persist, obtain medical attention.

4.4 Ingestion Unlikely to be hazardous if swallowed. Provided the patient is conscious, wash

out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not

induce vomiting. If symptoms develop, obtain medical attention.

4.5 Further Medical

Treatment

Unlikely to be required but if necessary treat symptomatically.

Section 5 – Fire Fighting Measures

5.1 Extinguishing MediaAs appropriate for surrounding fire. Extinguish preferably with foam,

carbon dioxide or dry chemical.

5.2 Unsuitable Extinguishing Media Do not use water jet or waterspray.

133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535 Tel: +65-6227 6365 Fax: +65-6225 6286

www.chemtradeasia.com



Protective A self contained breathing apparatus and suitable protective clothing 5.3 Fire **Fighting**

Equipment should be worn in fire conditions.

5.4 Hazardous **Decomposition** Combustion or thermal decomposition will evolve toxic and irritant Product(s)

vapours.

5.5 Other Can melt and burn in a fire. Molten material tends to flow or drip and

will propagate fire.

Section 6 – Accidental Release Measures

6.1 Personal Precautions Caution - spillages may be slippery. Ensure suitable personal protection

(including respiratory protection) during removal of spillages. Dust

clouds are sensitive to ignition by electrostatic discharge.

Environmental 6.2 **Exposure** Avoid release to the environment. Do not allow to enter drains, sewers

Controls or watercourses.

6.3 Methods for cleaning up Sweep up and shovel into waste drums or plastic bags.

Section 7 – Handling and Storage

7.1 HANDLING Control dust formation. Do not eat, drink or smoke at the work place. Wash face

> and hands before eating, drinking or smoking. Will accumulate static charges that may cause an electric spark (ignition source). Take precautionary measures

against static discharges.

7.2 STORAGE Keep only in the original container. Keep container tightly closed. Keep in a cool,

well ventilated place. Keep away from heat and direct sunlight. This product should

be kept away from naked flames and other sources of ignition.

Storage Temperature: Ambient.

> Storage Life: Stable at ambient temperature.

Specific use: Industrial use only.

Section 8 – Exposure Controls/Personal Protection

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

OCCUPATIONAL EXPOSURE LIMITS

SUBSTANCE.	CAS No.	LTEL (8 hr	LTEL (8 hr	STEL	STEL	Note:	
		TWA ppm)	TWA mg/m³)	(ppm)	(mg/m³)		
Polypropylene	9003-07-0	No O					
Homopolymer:							
Dust.	`		10		and the second s	Total Dust.	
			4			Respirable	
						Dust.	

133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535 Tel: +65-6227 6365 Fax: +65-6225 6286

www.chemtradeasia.com



8.1 RespiratorsNo special requirements. Provide adequate ventilation, including

appropriate local extraction if dusts, fumes or vapours are likely to be evolved. Where engineering controls are not fitted or inadequate wear

suitable respiratory protective equipment.

8.2 Eye Protection Eye protection with side protection (EN 166).

8.3 GlovesWear suitable gloves if prolonged skin contact is likely. When dealing with

hot

material: Insulating gloves EN 407 (heat).

8.4 Other Protective working garments (e.g. safety shoes EN 344, long sleeved

protective working garments). Contaminated clothing should be thoroughly

cleaned.

8.5 Environmental precautions Emissions from ventilation or work process equipment should be checked

to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering

modifications to

the process equipment will be necessary to reduce emissions to

acceptable levels.

Section 9 – Physical and Chemical Properties

Form Solid. Granular. Colour White. Off-white.

Odour Odourless.
pH (Value) Not applicable.
Decomposition Temperature (°C) > 300 (572°F)

Boiling Point (°C) Not applicable.

Melting Point (°C) 140 - 170 (284 – 338°F)

Flash Point (°C) [Closed cup] > 300 (> 572°F) Auto Ignition Temperature (°C) > 410 (>770°F)

Explosive Properties Not explosive. Unlikely to represent a dust

hazard under normal handling

conditions. Minimum explosive limit:: 10

mg/m³ (typically). 25 (typically)

Minimum Ignition Energy (mJ) 25 (

Oxidising Properties
Vapour Pressure (Pascal)
Specific Gravity
Solubility (Water)
Not applicable.
Not applicable.
Not applicable.
Insoluble.

Percent Volatile by volume (%) < 0.1

Section 10 - Stability and Reactivity

10.1 Chemical StabilityStable under normal conditions. Decomposes at temperatures above

300°C.

133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535 Tel: +65-6227 6365 Fax: +65-6225 6286

www.chemtradeasia.com



10.2 Conditions to avoid Heat and direct sunlight.

10.3 Materials to avoidDirect contact with open flames, self igniting and explosive materials.

10.4 Hazardous Decomposition Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke.

Product(s)

Section 11 – Toxicological Information

Low toxicity under normal conditions of handling and use.

11.1 Ingestion Low oral toxicity. Polypropylene Homopolymer: LD50 (rat): >5000 mg/kg

11.2 Inhalation Low acute toxicity. Dusts and vapours or fumes evolved during thermal

processing may cause irritation to the respiratory system.

11.3 Skin Contact No evidence of irritant effects from normal handling and use.

11.4 Eye ContactDust may have irritant effect on eyes. Permanent damage is unlikely.

11.5 Long Term Exposure Chronic effects are unlikely.

Section 12 – Ecological Information

12.1 Environmental Fate and Distribution Solid insoluble in water. Floats on water. The product has low

mobility in soil.

12.2 Persistence and Degradation The product is non-biodegradable.

12.3 ToxicityLow toxicity to aquatic organisms.

12.4 Effect on Effluent TreatmentUnlikely to affect biological treatment processes.

Section 13 – Disposal Considerations

13.1 Regulatory information Do not allow to enter drains, sewers or watercourses. Disposal should be in

accordance with local, state or national legislation.

13.2 Recommended:Normal disposal is via incineration operated by an accredited disposal

contractor.

Section 14 - Regulatory Information

EC Classification Not classified as dangerous for supply/use.

Hazard SymbolNot applicable.Risk PhrasesNot applicable.Safety PhrasesNot applicable.

INTERNATIONAL INVENTORIES

EINECS (Europe) EINECS: Polymer. Monomers included.

133 Cecil Street # 12-03 Keck Seng Tower, Singapore 069535 Tel: +65-6227 6365 Fax: +65-6225 6286 www.chemtradeasia.com



Section 15: Additional Information

15.1. Disclaimer of Liability

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its accuracy, reliability or completeness. The conditions or methods of handling, storage use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

