



Teldene® H12ML
SAFETY DATA SHEET
TO UK & EC REGULATIONS

Version: 4.5

Date of issue: 25/02/2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product Identifiers

Chemical Name	Polypropylene (1-propene homopolymer)
Trade Name	Teldene® H12ML
CAS No.	9003-07-0
EC No.	None assigned
REACH registration	Components are registered

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

Identified uses	Raw material for the plastics processing industry. (Injection molding, extrusion and others).
Uses advised against	Uses involving permanent implantation into the body and life-sustaining medical applications and health care sector.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification	National Petrochemical Ind. Co. P. O. Box 31469 Yanbu 41912, Yanbu, Saudi Arabia
Only Representative	LyondellBasell Industries Holdings BV Delftseplein 27E, 3013 AA Rotterdam, The Netherland
Telephone	+31 10 275 4335
E-mail	REACH@LYB.COM

1.4 Emergency telephone numbers

Company emergency telephone number	+966 53 769 7334
Opening hours	07-30 to 16-30 (Riyadh time) 5 days (Sunday to Thursday)
Europe-wide emergency number	112
Emergency Telephone	+32 3 575 1235



SECTION 2: HAZARDS IDENTIFICATION

- 2.1 EC Classification** Not classified
- 2.2 Other Hazards** Molten polymer will adhere to the skin causing deep thermal burns. Caution - spillages may be slippery. Dust clouds are sensitive to ignition by electrostatic discharge. Avoid generation of dust. The working steams: process hazards, may cause irritation to skin and respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	%w/w	CAS No.	Hazard classification
Polypropylene (1-propene homopolymer)	> 99.5 (min)	9003-07-0	Not classified

Contains temperature stabilisers. Contains no hazardous ingredients

SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

- Inhalation** Remove to fresh air immediately. Keep patient at rest and give oxygen if breathing difficult. Wash out mouth with water. Clear nasal passages. If symptoms persist, obtain medical attention.
- Skin Contact** Molten material can cause severe burns. Do NOT try to peel molten material from the skin. Cool rapidly with water. Seek medical treatment.
- Eye Contact** Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention.
- Ingestion** Do NOT induce vomiting. If conscious, give 2 glasses of water. Never give anything by mouth to an unconscious person. If symptoms persist, obtain medical attention.

- 4.2 Most important symptoms and effects, both acute and delayed** Molten material can cause severe burns. Dust may have irritant effect on eyes.

- 4.3 Indication of immediate medical attention and special treatment needed** See 4.1 eye contact / skin contact



SECTION 5: FIRE-FIGHTING MEASURES

5.1	Extinguishing Media	Foam, CO ₂ or dry powder. As appropriate for surrounding fire.
5.2	Unsuitable Extinguishing Media	Do not use water jet, water spray.
5.3	Fire Fighting Protective Equipment	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
5.4	Hazardous Decomposition Products	Thermal decomposition will evolve toxic and irritant vapours. (400 °C and 700 °C). Can melt and burn in a fire. Molten polymer will adhere to the skin causing deep thermal burns. Heat value 8000-11000 kcal/kg.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions	Ensure suitable personal protection (including respiratory protection) during removal of spillages.
6.2	Environmental precautions	Do not allow to enter drains, sewers or watercourses.
6.3	Methods and material for containment and cleaning up	Vacuum or sweep up, transfer to a container, seal ready for disposal. Recover or recycle if possible.
6.4	Additional Information	Dust clouds are sensitive to ignition by electrostatic discharge. Caution - spillages may be slippery.

SECTION 7: HANDLING AND STORAGE

7.1	Handling	Do not breathe dust. Do not eat, drink or smoke at the work place. Wash face and hands before eating, drinking or smoking. Avoid contact with skin and eyes. Use only with adequate ventilation or closed system ventilation. When bringing the material to processing temperatures, gases may develop, forming: propylene, hydrocarbon substances with low molecular weight and their oxidation products solvent residues, traces of formaldehyde, acrylaldehyde, and traces of acids (formic acid, acetic acid). Take precautionary measures against static discharges.
7.2	Storage	Keep only in the original containers. Keep container dry, tightly closed in a cool, well-ventilated place. It is recommended not to double stack octabins. Ground/bond container and receiving equipment. No open flames, no sparks and no smoking.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits None assigned

8.1.2 Exposure limit values for possible processing dangers

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Dust or powder (total particulates)			10			ACGIH
Acrylaldehyde	107-02-8	0.1	0.23	0.3	0.7	OES
Formaldehyde	50-00-0	2.0	2.5	2.0	2.5	MEL
Formic acid	64-18-6	5.0	9.6			ILV
Acetic acid	64-19-7	10	25	15	37	OES

8.2 Biological limit values Not known
DNELS & PNECS Not known

8.3 Exposure controls

8.3.1 Appropriate engineering controls Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.

8.3.2 Personal protection equipment



Respiratory protection 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.



Eye/face protection Eye protection with side protection (EN 166)



Skin protection (Hand protection/ Other) Avoid contact with skin, eyes or clothing. Protective gloves. (EU Directive 89/686/EEC & EN 374)

Thermal hazards Wear insulating gloves EN407 (heat).

Hygiene measures No smoking. Wash hands before breaks and immediately after using the product. Wash face and hands before eating, drinking or smoking. Wash thoroughly after contact with skin areas. Remove contaminated clothing and wash clothing before reuse. Do not eat, drink or smoke when using this product.

Environmental Exposure Controls 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. Do not allow to enter drains, sewers or watercourses.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties	
	Appearance	Granular
	Colour	White
	Odour	Odourless
	Melting Point (°C)	160-163
	Boiling point/boiling range:	Not applicable
	Flash Point	Not applicable
	pH	Not applicable
	Flammability	Not applicable
	Auto Ignition Temperature (°C)	> 400
	Density (g/cm ³ @ 20 °C)	0.89 - 0.91
	Solubility Water	Insoluble
	Solubility solvents	Soluble in: Chlorinated solvents
	Partition Coefficient	Not applicable
	Decomposition Temp (°C)	> 300
	Surface tension	Not applicable
	Vapour Pressure (mm Hg)	Not applicable
	Explosive properties	Not explosive. Unlikely to present a dust hazard under normal handling conditions.
	Oxidising properties	Not applicable
9.2	Other information	None known

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Not reactive
10.2	Chemical stability	Stable under normal conditions
10.3	Conditions to avoid	Heat and direct sun light
10.4	Incompatible materials	Not known
10.5	Hazardous Decomposition Products	No hazardous decomposition products known at room temperature. Thermal decomposition will evolve toxic and irritant vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	
	Ingestion Acute LD ₅₀	No data
	Dermal Acute LD ₅₀	No data
	Skin contact	Dust may cause irritation
	Eye contact	Dust may cause irritation
	Respiratory or skin sensitisation	None known.
	Mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity
	Reproductive toxicity	Not classified
11.2	Other information	None known



SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No data available
12.2	Persistence and degradability	The substance is non biodegradable.
12.3	Bioaccumulative potential	The substance has no potential for bioaccumulation.
12.4	Mobility in soil	Not applicable.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	Small particles may have physical effects on aquatic and terrestrial organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Regulatory information	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. Refer to manufacturer/supplier for information on recovery/recycling. EU Waste code 070213

SECTION 14: TRANSPORT INFORMATION

14.1	Land transport (ADR/RID)	Not classified as dangerous for transport
14.2	Sea transport (IMDG)	Not classified as dangerous for transport
14.3	Air transport (ICAO/IATA)	Not classified as dangerous for transport
14.4	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not classified as dangerous for transport

SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	User to follow EU directives and regulations
	Authorisations/restrictions on use	Not applicable.
15.1.2	National regulations	User to follow national regulations

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Section 1.3- change of Only Representative.

Legend

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT/vPvB	Persistent, bioaccumulative and toxic/very Persistent-very Bioaccumulative.

References	Regulation (EC) No.1272/2008 & 453/2010 (CLP) Directive 67/548/EEC & Directive 1999/45/EC
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Classification Not classified

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