Teldene® H12ML
SAFETY DATA SHEET
TO EC REGULATIONS (EC) 1907/2006 (REACh) & 1272/2008 (CLP)

Version: 4.3
Date of issue: Nov. 2020

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

1.1 Product identifiers

Chemical Name	1-propene homopolymer
Trade name	Teldene® H12ML
CAS No.	9003-07-0
EC No.	Not 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 4459 Jeddah 21491 Jeddah, Saudi Arabia
Contact	Mr. Neaz Ahmed.
e-mail	http://www.natpet.com/technical-support/
Telephone	+ 966 12 226 1668, + 966 12 226 1616
Fax	+ 966 12 652 9379
EU Only Representative	Steptoe & Johnson LLP Avenue Louise 489 B-1050 Brussels Belgium
Telephone	+ 32 26260500
Fax	+ 32 26260510
E-mail	eSDS3@steptoe.com

1.4 Emergency telephone number

Company	00 966 6048668
Opening hours	08-30 to 17-00 (Jeddah time) 5 days (Sunday to Thursday)
Europe-wide emergency Number	112
National Emergency Phone number	UK. Professionals only. UK National Poisons Information Service +44 844 892 0111. +44 870 600. 6266. 0845 4647 (national number). 08454 24 24 24. (national number). Contact details for other Member States can be found at: https://poisoncentres.echa.europa.eu/

SECTION 2: HAZARDS IDENTIFICATION

2.1 EC Classification — Not classified

Hazard and Precautionary Statements — 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
1-propene polymer	> 99.5 (min)	9003-07-0	Not classified

Contains stabilizers; all classified as non-hazardous

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

Suitable Extinguishing Media	Foam, CO_2 or dry powder. As appropriate for surrounding fire.
Unsuitable Extinguishing Media	Do not use water jet, water spray

5.2 Special hazards arising from the substance or mixture

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.

5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

5.4 Additional Information

Heat value 8000-11000 kcal/kg

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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 Reference to other sections

See Section 8

6.5 Additional Information

Dust clouds are sensitive to ignition by electrostatic discharge.
Caution – spillages may be slippery.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe 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 Conditions for safe storage, including any incompatibilities

Ground and bond containers when transferring material. Keep container dry, tightly closed in a cool, well-ventilated place. No open flames, no sparks and no smoking. Only double-stack when the pallet is clearly stable, squared, and safe to be stacked. Keep walkways clear, never stack product adjacent to walkways. Damaged or leaning stacks should immediately be de-stacked. Stacks can fall over when bottom bag(s) is(are) leaking. Before repairing the leaking bag(s), the top bag/pallet must be removed. Never attempt to stack pallets on a sloping floor. It is recommended not to double stack jumbo bags. Jumbo bags are designed for single trip use only and should not be reused.

7.3 Incompatible materials

Not known

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/m³)	STEL (ppm)	STEL (mg/m³)	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

8.1.3 DNELs & PNECs Not known

8.2 Exposure controls Avoid build up of dust. Avoid inhalation of dusts.

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

8.2.2 Personal protection 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)

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.

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.

8.3 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 Not 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

SECTION 12: ECOLOGICAL INFORMATION

12.1	**Toxicity**	Product is not harmful to environmental organisms
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	**Waste treatment methods**	Disposal should be in accordance with local, state or national legislation.
13.2	**Additional Information**	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
14.2	**Sea transport (IMDG)**	Not classified
14.3	**Air transport (ICAO/IATA)**	Not classified
14.4	**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**	Not classified

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: Not applicable

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 Bioaccumlative.

References Regulation (EC) No. 1907/2006 (REACh) & 1272/2008 (CLP)
Chemical Safety Report, Propene

Hazard and Precautionary statements Not classified

Training advice: Ensure staff and workers receive adequate training with regular updates in the handling of chemicals.

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices; (ii) film, overwrap and/or product packaging that is Considered a part or component of one of the aforementioned medical devices; (iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (iv) tobacco related products and applications, electronic cigarettes and similar devices.

The product(s) may not be used in: (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices; (ii) applications involving permanent implantation into the body; (iii) life-sustaining medical applications.

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