

**Teldene® H12ML**  
**SAFETY DATA SHEET**

DIRECTIVE 67/548/EEC & 1999/45/EC;  
REGULATIONS (EC) 1907/2006 (REACH) & 1272/2008 (CLP)

Version: 4.1

Date of issue: 11/05/2015

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

- 1.1 Product identifier**  
Chemical Name Polypropylene (1-propene homopolymer)  
Trade name Teldene® H12ML  
CAS No. 9003-07-0  
EINECS No. Not assigned
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses Raw material for plastics processing industry  
Uses advised against None
- Details of the supplier of the Safety Data Sheet**
- 1.3 Company Identification** National Petrochemical Ind. Co.  
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- 1.4 Emergency telephone number**  
Opening hours 08-30 to 17-00 (Arabia Standard Time) 5 days (Sunday to Thursday)

**SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 EC Classification No.** Not classified  
**67/548/EEC**  
**Regulation 1272/2008 (CLP)** 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.
- 2.3 Additional Information** Not known

**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 additives to give plasticity, antistatic properties and clarity; 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<sub>2</sub> 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**  
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.
- 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/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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 DNEL & PNEC** 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)
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- Skin protection (Hand) Avoid contact with skin, eyes or clothing. Protective gloves. ( EU Directive

protection/ Other)

89/686/EEC & EN 374)



Respiratory protection



Thermal hazards

Hygiene measures

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.

Wear insulating gloves EN407 (heat).

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 <sup>3</sup> @ 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

<b>10.5</b>	<b>Hazardous Decomposition Products</b>	No hazardous decomposition products known at room temperature. Thermal decomposition will evolve toxic and irritant vapours.
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## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1</b>	<b>Information on toxicological effects</b>	
	Ingestion Acute LD <sub>50</sub>	No data
	Dermal Acute LD <sub>50</sub>	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
<b>11.2</b>	<b>Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	<b>Toxicity</b>	Product is not harmful to environmental organisms
<b>12.2</b>	<b>Persistence and degradability</b>	The substance is non biodegradable.
<b>12.3</b>	<b>Bioaccumulative potential</b>	The substance has no potential for bioaccumulation.
<b>12.4</b>	<b>Mobility in soil</b>	Not applicable.
<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6</b>	<b>Other adverse effects</b>	Small particles may have physical effects on aquatic and terrestrial organisms.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1</b>	<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation.
<b>13.2</b>	<b>Additional Information</b>	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

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

## SECTION 15: REGULATORY INFORMATION

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

## SECTION 16: OTHER INFORMATION

### The following sections contain revisions or new statements:

Section 1.3 & section 1.4 - Change in company telephone number and contact email

#### 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

**Hazard and Precautionary statements** Not classified

**Risk and Safety Phrases** Not classified

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

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