



Teldene® H11BF

SAFETY DATA SHEET

TO EC REGULATIONS (EC) 1907/2006 (REACH) & 1272/2008 (CLP)

Version: 4.3

Date of issue: Nov. 2019

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

1.1 Product identifier

| | |
|--------------------|---------------------------|
| Chemical Name | 1-propene homopolymer |
| Trade name | Teldene® H11BF |
| 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 |
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| E-mail | eSDS3@steptoe.com |
| 1.4 Emergency telephone number | 00 966 505479408 |
| Opening hours | 08-00 to 17-00 (Jeddah time) 5 days (Sunday to Thursday) |

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 8000-11 000 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. IF IN ANY DOUBT-DO NOT STACK. 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/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 |

8.1.3 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)



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 |

11.2 Other information None known.

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 |

Additional Regulatory information about this product is present in our standard document, RCPD (Regulatory Compliance Product Declaration) of this product, available on our website; www.natpet.com



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 Bioaccumulative. |

| | |
|------------|---|
| References | Regulation (EC) No. 1907/2006 (REACH) & 1272/2008 (CLP) Chemical Safety Report, Propene (2010) |
|------------|---|

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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