



**MPL Products**  
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## Safety Data Sheet

### Distilled Tall Oil (DTO) Substitute

#### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Name of the product** : KEITOL K-Series (KEITOL 30K)  
**Name of the product chemicals** : **Distilled Tall Oil**  
**Recommended use** : Industrial uses: Uses of substances as such or in preparations at industrial sites. Formulation [mixing] of preparations and/or re-packaging (excluding alloys).  
**Supplier of the product** : MPL Products  
26 Baddesley Way  
Canning Vale, WA 6155, Australia  
**Emergency telephone number** : +61 421837661

#### SECTION 2 HAZARD(S) IDENTIFICATION

**Health hazards** : Not classified  
**OSHA defined hazards** : Not classified  
**Label elements**  
**Hazard symbol** : Not classified  
**Signal word** : None  
**Hazard statement** : None  
**Precautionary statement:** The substance does not meet the criteria for classification  
**Prevention** : Observe good industrial hygiene practices  
**Response** : Wash hands after handling  
**Storage** : Store away from incompatible materials  
**Disposal** : Dispose of waste and residues in accordance with local authority requirements  
**Supplemental information** : None

#### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance : Not Applicable  
This material is regulated as a mixture  
Mixture : This material is defined as a mixture

#### SECTION 4 FIRST AID MEASURE

**Eye Contact** : If this product comes in contact with eyes, wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay, if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel

**Skin Contact** : If skin contact occurs: Immediately remove all contaminated clothing, include footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in the event of irritation



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- Inhalation** : If fumes or combustion product are inhaled remove from contaminated area.  
Lay patient down. Keep warm and rested.  
Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.  
Transport to hospital or doctor, without delay.
- Ingestion** : Immediately give a glass of water.  
First aid is not generally required. If in doubt, contact a Poisons Information Center or a doctor. If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

#### **SECTION 5 FIREFIGHTING MEASURE**

- Suitable Fire Extinguish Media** : Foam.  
Carbon dioxide ( CO<sub>2</sub> ).  
Dry chemical powder.  
Water fog.
- Fire Fighting Equipment / Instructions** : Alert Fire Brigade and tell them location and nature of hazard.  
Wear breathing apparatus plus protective gloves.  
Prevent, by any means available, spillage from entering drains or water courses.  
Use water delivered as a fine spray to control fire and cool adjacent area.  
DO NOT approach containers suspected to be hot.  
Cool fire exposed containers with water spray from a protected location.  
If safe to do so, remove containers from path of fire.  
Equipment should be thoroughly decontaminated after use.
- Fire/explosion hazards** : - Combustible. - Slight fire hazard when exposed to heat or flame.  
- Heating may cause expansion or decomposition leading to violent rupture of containers. - On combustion, may emit toxic fumes of carbon monoxide (CO). - May emit acrid smoke.  
Mist containing combustible materials may be explosive.  
**WARNING** : Long standing in contact with air and light may result in the formation of potentially explosive peroxides
- Unsuitable extinguishing media** : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific methods** : Use standard firefighting procedures and consider the hazards of other involved materials.
- General fire hazards** : Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.



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#### SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal precaution, protective equipment and emergency** : Keep unnecessary personnel away.
- Environmental precautions** : Avoid discharge into drains, water courses or onto the ground.
- Methods and materials for containment and cleaning up** : Absorb in vermiculite, dry sand or earth and place into containers.
- Large Spills** : Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
- Small Spills** : Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination.

#### SECTION 7 HANDLING AND STORAGE

- Handling**
- Precautions** : Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. May auto-oxidize with sufficient heat generation to ignite if spread (as a thin film) or absorbed on porous or fibrous material.
- Storage**
- Conditions for safe storage, including any incompatibilities** : Contaminated rags and cloths must be put in fireproof containers for disposal. Avoid prolonged exposure. Avoid release to the environment. Observe good industrial hygiene practices. Follow all SDS/label precautions even after container is emptied because they may retain product residues.
- Do not store in direct sunlight. Store in original tightly closed container. Keep containers closed when not in use. Store at ambient temperature and atmospheric pressure. Store away from incompatible materials.

#### SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

- General** : No data available. Refer to individual constituents.
- Exposure Limits** : No Data Available
- Engineering controls** : Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well designed engineering controls can be highly effective in protecting workers. The basic types of engineering controls are:  
Process controls which involve changing the way a job activity or process is done to reduce the risk.  
The design of a ventilation system must match the particular process and chemical or contaminant in use.  
Local exhaust ventilation usually required. If risk of over exposure exists, wear approved respirator. Provide adequate ventilation in warehouse or closed storage area.



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**Individual protection measures, such as personal protective equipment**

- Personal protective equipment** : Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.
- Respiratory protection**
- Skin protection** : Chemical resistant gloves. Wear safety footwear or safety gumboots, eg. Rubber. The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Eye/face protection** : Wear safety glasses with side shields. Chemical goggles are recommended. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly.
- Radioactive or thermal hazards** : Wear appropriate thermal protective clothing, when necessary. Hygiene measures When using, do not eat, drink or smoke. Avoid contact with Avoid contact with skin. Wash hands after handling and before eating. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**KEITOL 2K**

**Appearance**

- Physical state** : Liquid
- Form** : Liquid
- Color** : Yellow
- Odor** : Mild
- pH as Supplied** : Not available
- Melting Point** : Not available
- Boiling point, initial boiling point, and boiling range** : > 200 °C ( 392 °F )
- Flash point** : > 200 °C ( 392°F ) Cleveland Open Cup
- Flammability (solid, gas)** : Not available
- Flammability limit - lower (%)** : Not available
- Flammability limit - upper (%) t** : Not available
- Explosive limit - lower (%)** : Not available
- Explosive limit - upper (%)** : Not available
- Vapor pressure** : 2,25 mm Hg at 150 °C
- Vapor density** : Not available
- Relative density** : 0,89 at 25 °C/25 °C ( water = 1 )
- Solubility(ies)**



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<b>Solubility ( water )</b>	:	12,6 mg/L at 20oC ; Data is for similar product
<b>Viscosity</b>	:	20 - 80 cps at 20
<b>Density</b>	:	890 kg/m

#### **KEITOL 10K**

##### **Appearance**

<b>Physical state</b>	:	Liquid
<b>Form</b>	:	Liquid
<b>Color</b>	:	Yellow
<b>Odor</b>	:	Mild
<b>pH as Supplied</b>	:	Not available
<b>Melting Point</b>	:	Not available
<b>Boiling point, initial boiling point, and boiling range</b>	:	> 200 °C ( 392 °F )
<b>Flash point</b>	:	> 200 °C ( 392°F )
<b>Flammability (solid, gas)</b>	:	Not available
<b>Flammability limit - lower (%)</b>	:	Not available
<b>Flammability limit - upper (%) t</b>	:	Not available
<b>Explosive limit - lower (%)</b>	:	Not available
<b>Explosive limit - upper (%)</b>	:	Not available
<b>Vapor pressure</b>	:	2,25 mm Hg at 150 °C
<b>Vapor density</b>	:	Not available
<b>Relative density</b>	:	0,91 at 25 °C/25 °C ( water = 1 )
<b>Solubility(ies)</b>		
<b>Solubility ( water )</b>	:	12,6 mg/L at 20oC ; Data is for similar product
<b>Viscosity</b>	:	20 - 80 cps at 20
<b>Density</b>	:	910 kg/m

#### **KEITOL 30K**

##### **Appearance**

<b>Physical state</b>	:	Liquid
<b>Form</b>	:	Liquid
<b>Color</b>	:	Yellow
<b>Odor</b>	:	Mild
<b>pH as Supplied</b>	:	Not available
<b>Melting Point</b>	:	Not available
<b>Boiling point, initial boiling point, and boiling range</b>	:	> 200 °C ( 392 °F )
<b>Flash point</b>	:	> 200 °C ( 392°F )
<b>Flammability (solid, gas)</b>	:	Not available
<b>Flammability limit - lower (%)</b>	:	Not available
<b>Flammability limit - upper (%) t</b>	:	Not available
<b>Explosive limit - lower (%)</b>	:	Not available
<b>Explosive limit - upper (%)</b>	:	Not available
<b>Vapor pressure</b>	:	2,25 mm Hg at 150 °C
<b>Vapor density</b>	:	Not available
<b>Relative density</b>	:	0,93 at 25 °C/25 °C ( water = 1 )
<b>Solubility(ies)</b>		
<b>Solubility ( water )</b>	:	12,6 mg/L at 20oC ; Data is for similar product
<b>Viscosity</b>	:	20 - 80 cps at 20
<b>Density</b>	:	930 kg/m



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#### SECTION 10 STABILITY AND REACTIVITY

- Chemical Stability** : Product is considered stable.
- Condition to avoid** : Strong oxidizing agents. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
- Incompatible materials** : Oxidizing agents
- Hazardous decomposition product** : Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.
- : No dangerous reaction known under conditions of normal use.
- Possibility of hazardous reactions**

#### SECTION 11 TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

- Inhalation** : Prolonged inhalation may be harmful.
- Skin contact** : No adverse effects due to skin contact are expected.
- Eye contact** : Direct contact with eyes may cause temporary irritation. Draize Test, No eye irritation.
- Ingestion** : Expected to be a low ingestion hazard.
- Symptoms related to the physical, chemical and toxicological characteristics** : Exposure may cause temporary irritation, redness, or discomfort.
- ##### Information on toxicological effects
- Acute toxicity** : Based on available data, the classification criteria are not met.
- Skin corrosion/irritation** : This material can cause inflammation of the skin on contact in some persons. The material may cause temporary irritation.
- Serious eye damage/irritation** : This material can cause eye irritation and damage in some persons.
- Respiratory sensitizer** : Due to lack of data the classification is not possible.
- Skin sensitizer** : This product is not expected to cause skin sensitization.
- Germ cell mutagenicity** : Due to lack of data the classification is not possible
- Aspiration hazard** : Due to lack of data the classification is not possible
- Reproductive toxicity** : This product is not expected to cause reproductive or developmental effects.
- Chronic effects** : Prolonged inhalation may be harmful.

#### SECTION 12 ECOLOGICAL INFORMATION

##### Not classified as Dangerous for the Environment, according to EC criteria.

- Ecotoxicity** : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
- Persistence and degradability** : The product is biodegradable.
- Bioaccumulation** : Not available.
- : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
- Mobility, Other hazardous effect**



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### SECTION 13 DISPOSAL CONSIDERATION

- Disposal instruction** : Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- Local disposal regulations** : Dispose in accordance with all applicable regulations.
- Hazardous waste code** : The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- Waste from residues / unused Products** : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
- Contaminated packaging** : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling

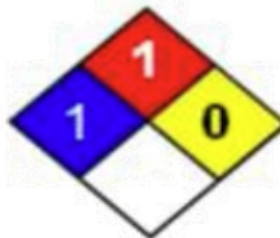
### SECTION 14 TRANSPORT INFORMATION

- IATA** : Not regulated as dangerous goods.
- IMDG** : Not regulated as dangerous goods.
- DOT** : Not regulated as dangerous goods.
- Transport in bulk according to the IBC Code** : Not available.

### SECTION 15 REGULATORY INFORMATION

- US federal regulations** : This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)** : Not regulated.
- CERCLA Hazardous Substance List (40x CFR 302.4)** : Not regulated.
- NFPA ratings** : Health: 1  
Flammability: 1  
Instability: 0

**NFPA ratings :**



### SECTION 16 OTHER INFORMATION

**Disclaimer :** To the best of our knowledge of this substance and on current EC and international regulations, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries or agents assumes liability what's ever for the accuracy or completeness of the information contained herein.

The SDS (Version 2.0) comprises 7 pages and updated on March 03, 2023. This information contained herein based On data believed to be reliable but is furnished without warranty or Guaranty of any kind and MPL Products disclaims any liability incurred from the use or reliance upon the same.