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| **1. Identification** | | | | | | | |
| **Product Name:** | Thermotec 15 | | | | | | |
| **Application:** | Heat Transfer Fluid | | | | | | |
| **Appearance:** | Colourless, Transparent, Oily Liquid | | | | | | |
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| **2. Composition** | | | | | | | |
| **General:** | White Mineral Oil (Petroleum) | | | | | | |
| **Hazardous Ingredients:** | White Mineral Oil (Petroleum) 100%  *CAS No. 8042-47-5*  *REACH 01-2119487078-27-0013*  *The mixture does not contain Substances of Very High Concern (SVHC)* | | | | | | |
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| **3. Hazard Identification** | | | | | | | |
| human healthH304 - May be fatal if swallowed and enters airways | | | | | | | |
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| **4. First Aid Measures** | | | | | | | |
| **Eyes:** | If this product comes in contact with eyes: Wash out immediately with water, If irritation continues, seek medical attention. | | | | | | |
| **Skin:** | If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. | | | | | | |
| **Ingestion:** | Immediately give a glass of water. First aid is not generally required. If in doubt, consult a doctor. | | | | | | |
| **Inhalation:** | If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. | | | | | | |
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| **5. Fire Fighting Measures** | | | | | | | |
| **Extinguisher Media:** | | | | Foam, Dry chemical powder, Carbon dioxide, Water spray or fog (Not water Jet) - Large fires only. | | | |
| **Product of Combustion:** | | | | No Information Available | | | |
| **Protective Equipment:** | | | | Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. | | | |
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| **6 Accidental Release Measures** | | | | | | | |
| * Remove all ignition sources. * Clean up all spills immediately. * Avoid breathing vapours and contact with skin and eyes. * Control personal contact with the substance, by using protective equipment. * Contain and absorb spill with sand, earth, inert material or vermiculite. * Wipe up. * Place in a suitable, labelled container for waste disposal. | | | | | | | |
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| **7. Storage & Handling** | | | | | | | |
| **Handling Precautions:** | | | | | Avoid all personal contact, including inhalation.  Do not handle at temperatures in excess of 60 degrees C  Wear protective clothing when risk of exposure occurs.  Use in a well-ventilated area.  Prevent concentration in hollows and sumps.  DO NOT enter confined spaces until atmosphere has been checked.  Avoid smoking, naked lights or ignition sources.  Avoid contact with incompatible materials.  DO NOT eat, drink or smoke.  Keep containers securely sealed when not in use.  Avoid physical damage to containers.  Always wash hands with soap and water after handling.  Work clothes should be laundered separately.  Use good occupational work practice.  Observe manufacturer's storage and handling recommendations contained within this MSDS.  Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions. | | |
| **Storage Conditions:** | | | | | Keep away from leaks, sparks and flames  Check all containers are clearly labelled and free from leaks.  Avoid reaction with oxidising agents  Do not store at temperatures in excess of 25 degrees C | | |
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| **8. Exposure Controls / Personal Protection Measures** | | | | | | | |
| **Exposure Limits:** | | | | | Oil Mist 5mg / m3 (TWA) | | |
| **Personal Protection:** | | | | | **Engineering Controls**  No data available  **Respiratory Protection**  Should an oil mist be created and it not be possible to keep concentrations below the stated exposure limits then the following would be appropriate. Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)  **Skin Protection**  Wear overalls and apply barrier cream prior to handling product.  **Eye Protection**  Wear Safety Glasses with side shields. | | |
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| **9. Physical & Chemical Properties** | | | | | | | |
| **Appearance:** | | | | | | Colourless, transparent, oily liquid | |
| **Odour:** | | | | | | None | |
| **Flash Point (PMCC):** | | | | | | >112 °C | |
| **Boiling Point:** | | | | | | Not Applicable | |
| **Freezing point:** | | | | | | Not Applicable | |
| **Solubility in Water:** | | | | | | Immiscible | |
| **pH:** | | | | | | Not Available | |
| **Volatility:** | | | | | | Not Applicable | |
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| **10. Stability & Reactivity** | | | | | | | |
| **Stability:** | | Product is considered stable and hazardous polymerisation will not occur. | | | | | |
| **Incompatibility:** | | Avoid reaction with oxidising agents | | | | | |
| **Decomposition:** | | No data available | | | | | |
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| **11.Toxicological Information** | | | | | | | |
| **Ingestion:** | | | The material has not been classified by EC Directives or other classification systems as “harmful by ingestion” | | | | |
| **Eyes:** | | | Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn). | | | | |
| **Skin:** | | | No data available | | | | |
| **Inhalation:** | | | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Inhalation of oil droplets or aerosols may cause discomfort and may produce chemical inflammation of the lungs. | | | | |
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| **12. Ecological Information** | | | | | | | |
| **Bio accumulative potential** | | No data available | | | | | |
| **Persistence and degradability** | | No data available | | | | | |
| **Results of PBT and vPvB assessment** | | No data available | | | | | |
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| **13. Disposal Considerations** | | | | | | | |
| Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.  A Hierarchy of Controls seems to be common - the user should investigate:   * *Reduction* * *Reuse* * *Recycling* * *Disposal (if all else fails)*   This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. | | | | | | | |
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| **14. Transportation** | | | | | | | |
| **Land transport** | | | | | | | Not Regulated For Transport Of Dangerous Goods |
| **Air transport (ICAO-IATA / DGR):** | | | | | | | Not Regulated For Transport Of Dangerous Goods |
| **Sea transport (IMDG-Code / GGVSee):** | | | | | | | Not Regulated For Transport Of Dangerous Goods |
| **Inland waterways transport (ADN):** | | | | | | | Not Regulated For Transport Of Dangerous Goods |
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| **15. Regulatory Information** | | | | | | | |
| This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation: - The Control of Substances Hazardous to Health Regulations (COSHH) 2002 - COSHH Essentials - The Management of Health and Safety at Work Regulations 1999 | | | | | | | |
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| **16. Other Information** | | | | | | | |
| H304 - May be fatal if swallowed and enters airways  Classification drawn from EC Directive 67/548/EEC - Annex I ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI | | | | | | | |