



Lapmaster International Ltd

International Lapping and Polishing Machine Systems

Lee Mill Industrial Estate,
Ivybridge, Devon, PL21 9EN,
England.

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MATERIAL SAFETY DATA SHEET ISSUE 06/07/04 REV. 3

1	PRODUCT NAME REF (MSDS 1)	<u>UNILAP</u>
	Description	Supplied as a metal working lubricant/coolant for use in suitable industrial applications only. The product should be used as supplied.
	Supplied by:	Lapmaster International Ltd Lee Mill Industrial Estate Ivybridge Devon PL21 9EN Tel: + 44 1752 893191 Fax: + 44 1752 896355
2	Information on Ingredients	General: Performance additives. % Hazardous: Odourless kerosene, Xn(R65) 30-50 CAS No. 64742-47-8 EINECS 265-149-8 Solvent Dewaxed Heavy Paraffinic Distillate: 30-50 CAS No. 64742-65-0 EINECS 268-169-7
3	Hazards Identification:	Harmful may cause lung damage if swallowed.
4	First Aid Measures: EYES: SKIN: INGESTION:	Wash immediately with copious quantities of water. If irritation persists, seek medical attention. Wash off with soap and water. Remove contaminated clothing and wash before re-use. Should irritation occur, Seek medical attention. DO NOT INDUCE VOMITING. If conscious, give half-litre of water to drink immediately, and obtain immediate medical attention showing this sheet.



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	First Aid Measures INHALATION:	In extreme cases, remove person from exposure using respiratory protection if necessary. Keep at rest and call for prompt medical attention.
5	Fire-fighting Measures: Suitable extinguishing media: Unsuitable extinguishing media: Hazardous decomposition/ Combustion products: Special Protective Equipment	Dry chemical, CO ₂ , foam and sand. Water Combustible. Emits toxic fumes. Self-contained breathing apparatus should be worn in fire conditions.
6	Accidental Release Measures: Personal precautions: Environmental precautions: Methods for cleaning up:	Refer section 8 Remove all sources of ignition. Avoid inhaling vapour. Evacuate non-essential personnel.. Turn container leak-side up. Do not allow the spillage to enter sewers, rivers or open water. In event of spillage on water, contain by bunding and remove by skimming or suitable absorbents. Contain and absorb with inert material, shovel to disposal. Do not allow the spillage to enter sewers, rivers or open water. The waste will contain solvent and is thus likely to form a combustible vapour. Store absorbed waste in a well-ventilated area until the solvent vapours have dispersed.



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7	Handling and Storage: Handling precautions: Storage precautions:	Handle and open container with care. Avoid contact with skin and eyes. Good indoor storage conditions with due regard to the combustible nature of the product. Keep in tightly closed, clearly labelled containers. Isolate from naked flames, hot elements, or other sources of ignition. NO SMOKING.
8	Exposure Controls/Personal Protection: Occupational Exposure limits: Eyes: Skin: Inhalation: Industrial Hygiene:	<u>Odourless Kerosene,</u> TWA (8hr exposure limit) : 800mg/m ³ STEL(15min.exposure limit) : 1200mg/m ³ (OES) <u>Solvent Dewaxed Heavy Paraffinic Distillate</u> TWA (8hr exposure limit) : 5mg/m ³ STEL(15min.exposure limit) : 10mg/m ³ (OES) Goggles are recommended where the material may splash. Chemically resistant gloves should be worn when handling this material. Local exhaust ventilation is essential for the use of large quantities of this product. Good standards of industrial hygiene together with the use of after-care creams are recommended for use of the product.
9	Physical and Chemical Properties: Physical Form: Odour: pH-concentrate: Vapour Pressure(kPa): Appearance : Specific Gravity(@15.5°C): Boiling Point(°C): Melting Point(°C)	Liquid Characteristic Not applicable. 0.3'@38 C Yellow 0.83 192 <0



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	Physical and Chemical Properties (Contd.) Miscibility with Water: Evaporation Rate (nBuAc=1): Viscosity cS: Autoflammability, °C Flash Point (°C, Open Cup): The data given here is typical for	 Immiscible Negligable 5 @ 40°C:: 92 this material. It does not constitute a specification
10	Stability and Reactivity: Chemical Stability: Conditions to avoid: Materials to avoid: Hazardous decomposition products:	 The product is stable under normal conditions. Avoid overheating, open flames and other sources of ignition. Avoid strong oxidising agents and strong acids Product does not decompose at ambient temperature, but emits toxic fumes in combustion..



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<p>11</p>	<p><u>Toxicological Information</u></p> <p>Hazardous Ingredients</p> <p>Routes Of Exposure</p> <p>SPECIAL HAZARDS OF PRODUCTS AFTER USE:</p>	<p>Deoderised Kerosene IHL RAT LC50>5000mg/kg ORL RAT LD50>2000mg/kg SKN RBT LD50>2000mg/kg Solvent Dewaxed Heavy Paraffinic Distillate IHL RAT LC50>5mg/l ORL RAT LD50>2000mg/kg SKN RBT LD50>2000mg/kg</p> <p>Refer to section 4 for routes/symptoms</p> <p>Product may become contaminated with hazardous metals depending upon conditions of use. These may introduce an increased risk to health via allergic skin reaction or exposure to excessive mist.</p>
<p>12</p>	<p>Ecological Information:</p> <p>Hazardous Ingredients</p> <p>Mobility:</p> <p>Persistence and degradability:</p> <p>Bioaccumulative potential:</p> <p>Ecotoxicity:</p>	<p>Odourless Kerosene ALGAE 72H IC50 20mg/l FISH 96H LC50 >1000mg/l Readily absorbed into soil.</p> <p>Biodegradable</p> <p>This material is unlikely to bioaccumulate.</p> <p>Negligible</p>



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13	<p>Disposal Considerations: Disposal must be in accordance with local and national legislation.</p> <p>Unused material:</p> <p>Used material:</p> <p>Empty packaging:</p>	<p>The product can be burnt under controlled conditions or removed by approved waste contractors.</p> <p>The product can be burnt under controlled conditions or removed by approved waste contractors.</p> <p>All packaging should be disposed of in a manner acceptable to regional legislation. The container may contain combustible residues.</p>
14	<p>Transport Information:</p> <p>Classification for transport:</p> <p>Packing Group:</p> <p>UN number:</p> <p>IMO Class:</p> <p>ICAO/IATA Class:</p> <p>ADR/RID Class:</p>	<p>Not Subject to ADR</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>No</p>
15	<p>Regulatory Information: Classification for supply:</p> <p>Risk phrases:</p> <p>Safety phrases:</p> <p>Statutory Instruments:</p>	<p>Harmful.</p> <p>R65 :Harmful: may cause lung damage if swallowed.</p> <p>S20 :When using, do not eat or drink. Do not breathe fumes. Avoid contact with skin. If swallowed do not induce vomiting, seek medical advice immediately and show this container or label.</p> <p>The Health & Safety at Work etc Act 1974 Control of Substances Hazardous to Health Regulations 1988. Environmental Protection Act 1990. Chemical (Hazard Information and Packaging) Regulations 1996 (As amended)</p>
16	<p><u>Other information</u></p>	



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This information is taken from sources believed to be accurate. Lapmaster International Ltd, however, makes no warranty as to the accuracy of the information or suitability of the recommendations as to your operations and assumes no liability to any user thereof.

Detailed formulations are available to medical officers and their advisors in confidence only on written request.

The following references provide further information on specific aspects:

Note: where this product is used in applications other than those specified either here or in writing from Lapmaster International Ltd we can accept no responsibility for loss or damage incurred.

Where applicable, concentration control methods are available on request.

EH 26- Occupational skin diseases: Health & Safety Precautions

EH 40- Occupational Exposure Limits

EH 58- The Carcinogenicity of Mineral Oils

MS(B)5- Skin Cancer caused by Oil

MS(B)6- Save your skin! – Occupational contact dermatitis

SHW 367- Dermatitis- Cautionary Notice

SHW 397- Effects of Mineral Oil on the skin

MS24- Health surveillance of occupational skin disease.