

PERFALUBE MHL is a highly anti-static, readily scourable, woollen spinning lubricant. Perfalube MHL has been developed specifically for the production of hosiery yarn on the woollen system. The product is a blend of non-ionic surfactants; fatty materials and solvent refined mineral oils and was designed giving consideration to the problems associated with further processing.

PERFALUBE MHL does not contain banned substances listed by GOTS/ZDHC, Oeko-Tex Standard 100 and Bluesign.

Perfalube MHL is available in 205 ltr drums and 1000 ltr IBC's and bulk deliveries.

## **APPLICATION**

Perfalube MHL can be applied at levels of 3 - 11% o.w.f. dependant on fibre types. Application is normally in emulsion with water 50 / 50 v/v higher water levels can be utilized where factory humidification is a problem. When preparing emulsions it is necessary to add the lubricant to the water to avoid thickening of the emulsion.

The following is a guide to actual application levels for Perfalube MHL:

SHETLAND 8 - 11%

LAMBS WOOL 5 - 7%

CASHMERE 4 - 5 %

LAMBS WOOL / ANGORA / NYLON 3 - 4%

Scouring:

Perfalube MHL is readily removable in neutral or mildly alkaline scours. A typical recipe would be 1 - 2% o.w.f. non-ionic detergent and 0.5% o.w.f. sodium bicarbonate at 40 - 45°C. Alternatively a specialist 'built' product such as Perfascour LAN will give low residuals and a soft bulky handle.

## **BENEFITS**

- Colour Control: Contains additives which will overcome problems associated with loose dyestuff removal at finishing.
- Yarn Strength: Perfalube MHL will show an increase in yarn strength against many lubricants.
- Static Control: Being highly anti-static, Perfalube MHL will not normally require added anti-static.
- Emulsification: Being readily emulsifiable Perfalube MHL forms a stable emulsion with over 50 / 50 v/v water. Can also be applied neat.
- Runability: Excellent fibre control in processing with Perfalube MHL gives low ends down and good yields.
- Corrosion: Perfalube MHL contains anti-corrosive agents and is non-yellowing.
- Scourability: Perfalube MHL is easily scourable under neutral or slightly alkaline conditions.
- Versatility: Perfalube MHL can be safely used with all types of condenser tapes and can be applied to 100% lambswool and 100% Shetland, as well as lambswool nylon / angora blends.

## **TYPICAL PROPERTIES**

Appearance	Pale yellow liquid
Colour (Gardner 10mm cell)	4-8
Viscosity @ 40°C	33 cSt
Flash Point (COC) °C	>200
Ionic Activity	Non-ionic

# PERFALUBE MHL

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Specific Gravity @ 15°C	0.890-0.950
pH of emulsion (at 25%)	5-6

## **HEALTH & SAFETY**

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.