

KL 280 Oil

High temperature chain oil; fully synthetic

Product description

Correct lubrication of the chains is essential to prevent excessive wear, which can lead to chain lengthening and erratic travel, increased power consumption and a reduction in lubricant adhesion to the chains leading to premature equipment failure, downtime, production loss and higher maintenance costs.

MOLYSULF® KL 280 high temperature chain oil is a fully synthetic formulation based on heat stable polyol esters incorporated with additives to prevent degradation by pressure, oxygen, rust and corrosion and is formulated to provide superior lubrication and protection even when subjected to high temperatures and humid conditions.

Features & benefits

- Service temperature range from -10 to +230°C (short term to +280°C)
- No carbon or resinous deposit upon decomposition at high temperatures and leads to lower maintenance costs
- High oxidative stability provides superior lubrication at elevated temperatures
- Low evaporative volatility helps save costs through reduced power and lubricant consumption
- Excellent lubricity and extreme pressure properties enhance load carrying ability to reduce friction and wear
- Improves productivity through reduced downtime for repairs
- Good adhesive properties and resistant to water and water washout

Applications

- Lubrication of all types of conveyor chains, hinges, slideways, drying frames working under severe operating conditions of temperature, friction, loads and humid environments in painting, stoving and drying installations.
- Applications including conveyor systems, plastic film stretching, fibreboard manufacturing, textile, steel, paper, glass and ceramics, automotive production.

How to use

Use as supplied. Never dilute or mix with other oils or greases.

For optimal lubrication and adhesion, clean and degrease the surface of all previous residues, lubricants, contaminants or corrosion inhibiting coatings.

Use any ASV heavy duty industrial strength solvent based cleaner degreaser available in aerosol spray or bulk liquid pack.

When using a water based degreaser, ensure complete removal of any residues of the water based alkaline cleaning solution prior to adding lubricating oil.

Apply to clean surfaces by regular oiling methods that is by brushing, spraying, dipping, drop feed oiling mechanisms or using a suitable automatic lubrication system.

Allow excess to drip off and wait for lubricant to penetrate friction points before resuming operation.

Assess the lubrication frequency and quantity on basis of service conditions, avoid excessive lubrication.

Use as per instructions laid down in manufacturers manual. Replace cap after use.

Test	Unit	Result	Standard
Appearance		Oily liquid	Visual
Colour		Yellow	Visual
Base		Ester	In house
Viscosity @ 40°C	mm²/s	390	ASTM D-445
Viscosity @ 100°C	mm²/s	27	ASTM D-445
Density, 20°C	g/cm³	0.98	ASTM D-1298
Flash point	°C	+300	ASTM D-92
Pour point	°C	-10	ASTM D-97
Lower working limit	°C	-10	
Upper working limit	°C	230 / short term 290	
Four ball weld load	N	2200	DIN 51 350 pt.4
Evaporation loss at 200° C, 24h	h	<3	
Soluble in water		No	
NSF category code		NA	
NSF number		NA	
Shelf life from manufacturing month, unopened container	Months	60	

General

Use in well-ventilated areas. Avoid continuous breathing of vapor and spray mist. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards.

Manufactured by:
ASV Multichemie Private Limited
E 14, Additional MIDC, Patalganga
Panvel-410 220 INDIA



WWW.ASVMULTICHEMIE.COM

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Limited warranty

Product manufactured is for industrial use only. The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty.

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