

# SAFETY DATA SHEET

## Section 1 : Identification of Material and Supplier

### Product Name      **Liquid Lanolin USP**

Chemical Family	Not applicable
Formula	Composed mainly of high molecular weight esters, and some sterols
Molecular Weight	790 - 880
Product Description	Clear, viscous, amber coloured liquid with little intrinsic odour
Supplier	NK Ingredients Pte Ltd 2 Pioneer Sector 1, Singapore 628414 Tel: (+65) 6861 0977 Fax: (+65) 6861 6178 Email: info@nkingredients.com Website: www.nkingredients.com
Emergency Contact	(+65) 6861 0977
	Chemical emergencies: Chemtrec: 1-800-424-9300, Intl: 1-703-527-3887

## Section 2 : Ingredients Composition / Information

CAS No.	70321-63-0
EINECS No.	274-559-6
INCI Name	Lanolin Oil
Health Hazardous Components (Specific, Identity, Common Name, Weight %)	None

## Section 3 : Hazards Identification

Health Hazards	Not expected if handled and used properly
Environmental Hazards	None. Liquid lanolin is substantially biodegradable in conventional biological purification treatment.

### Physical and Chemical Hazards / Fire and Explosion Hazards

Flash Point	280°C
Ignition Temperature	Not determined
Explosion Limits	Non-flammable, but will burn if strongly heated

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of NK Ingredients' knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

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## Section 4 : First Aid Measures

Inhalation	No emergency care anticipated.
Skin Contact	No emergency care anticipated.
Eye Contact	Rinse thoroughly with lots of water.
Oral Ingestion	Rinse mouth with water. Seek medical advice if nausea and vomiting occurs.

## Section 5 : Fire Fighting Measures

Fire Fighting Procedures	Use carbon dioxide, foam, extinguishing powder. Treat as an oil fire.
Hazardous Combustion Products	Carbon monoxide and / or carbon dioxide.

## Section 6 : Accidental Release Measures

Spillage / Leakage	Remove with liquid-absorbing material, e.g. sand, sawdust.
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## Section 7 : Handling and Storage

Storage Temperature	Cool and well ventilated
Transport Temperature	Ambient
Loading / Unloading Temperature	Ambient

## Section 8 : Exposure Controls / Personal Protection

Personal Protection	No special requirement
Industrial Hygiene	Note general industrial hygiene measures

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## Section 9 : Physical and Chemical Properties

Solubility in Water (20°C)	Insoluble
Viscosity (cST) (50°C)	300 - 500
Density (g/cm <sup>3</sup> ) (50°C)	0.933
Cloud Point (°C)	15 - 20
Vapour Pressure	Nil at room temperature

## Section 10 : Stability and Reactivity

Stability	Stable
Conditions to Avoid Instability	Open Flames
Incompatible Materials	Concentrated nitric acid / sulphuric acid, strong oxidizing agents
Hazardous Decomposition Products	Burning can produce carbon monoxide and / or carbon dioxide
Thermal Decomposition	Not established
Hazardous Reactions	No dangers known

## Section 11 : Toxicological Information

### Acute Effects

Inhalation	No harmful effect expected
Skin Contact	Non-irritant
Eye Contact	Non-irritant
Oral Ingestion	Acute oral to rats: LD <sub>50</sub> is greater than the maximum practical dose of 16 g / kg.

### Chronic Effects

No dangers known.

## Section 12 : Ecological Information

Biological Degradability    Biodegradable

**Note:** The product at room temperature is insoluble in water and can be eliminated from water by mechanical separation.

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## Section 13 : Disposal Considerations

Dispose of waste in accordance with local, state, and federal regulations.

## Section 14 : Transport Information

Road and Rail Transport	Not classified as Dangerous Goods by the criteria of ADR / RID / ADNR for transportation by road and rail.
Marine Transport	Not classified as Dangerous Goods by the criteria of IMDG for transportation by sea.
Air Transport	Not classified as Dangerous Goods by the criteria of ICAO / IATA for transportation by air.

## Section 15 : Regulatory Information

Labeling of Packaging	This product does not require a hazard warning label in accordance to EC Directives / German Regulations on dangerous substances.
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## Section 16 : Other Information

None.

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