

# SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC - revision 453/2010 (REACH)

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## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1. Product identifier

Product Name LUBRA K HS  
Product Code 0463F1

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Recommended use

Grease.

### 1.3. Details of the supplier of the safety data sheet

NCH European Technical Centre  
Codor Gate Business Park  
Ripley  
Derbyshire, UK DE5 3NW  
Tel: 01902 510401

E-mail address sdsetc@nch.com  
Website address www.nch.com

### 1.4. Emergency telephone number

01902 510401 (available during Office Hours)

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

This preparation is not classed as hazardous by Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

### 2.2. Label elements

S2 - Keep out of reach of children  
For Industrial and institutional use only

### 2.3. Other hazards

No additional hazards identified

## 3. COMPOSITION / INFORMATION OF INGREDIENTS

### 3.2. Mixtures

Component	CAS-No	EC No.	Weight %	Classification	Notes
PEG-2 OLEAMINE	13127-82-7	EEC No. 236-062-2	1 - 5	C; R34 Xn; R22	
ZINC DIALKYL DITHIOPHOSPHATE	68649-42-3	EEC No. 272-028-3	1 - 5	Xi; R36/38	

For any R phrases mentioned in this section, see the full text in section 16

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Advice

Get medical attention immediately if symptoms occur

#### Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

#### Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Do not use solvents or thinners. Get medical attention if irritation develops and persists.

#### Ingestion

Do NOT induce vomiting. Rinse mouth with water. Get medical attention if symptoms occur.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Sensitization

No information available

#### Eye contact

May cause irritation as itching and redness

Skin contact

Unlikely to be irritant on brief or occasional exposure

**4.3. Indication of any immediate medical attention and special treatment needed**

Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**5.1. Extinguishing media**

Suitable Extinguishing Media

Use: Dry powder, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Water spray

Extinguishing media which must not be used for safety reasons

Water jet.

**5.2. Special hazards arising from the substance or mixture**

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

Material can create slippery conditions.

**5.3. Advice for firefighters**

Firefighters should wear a self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

**6.2. Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Insoluble in water and hence will float on the surface.

**6.3. Methods and material for containment and cleaning up**

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). If using a cloth to wipe up a small spillage, properly dispose of the used cloth to avoid a fire risk.

**6.4. Reference to other sections**

Refer to sections 7, 8 and 13

## 7. HANDLING AND STORAGE

**7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.3. Specific end use(s)**

No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

Exposure limits

TWA (8hrs): 5mg/m<sup>3</sup> / STEL(15mins):10mg/m<sup>3</sup>

Respiratory Protection

Not required under normal use

**8.2. Exposure controls**

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested : Neoprene gloves. Nitrile rubber. Solvent-resistant gloves (butyl-rubber). For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Information below relates to typical values and does not constitute a specification

<b>Appearance</b>	Amber	<b>Autoignition Temperature</b>	> 250 °C
<b>Odor</b>	Characteristic	<b>Boiling Point/Range</b>	> 200 °C
<b>Physical State</b>	Grease	<b>Melting Point/Range</b>	Not applicable
<b>pH</b>	Not applicable	<b>Flammability Limits in Air %</b>	Not applicable
<b>Flash Point</b>	> 160 °C	<b>Evaporation Rate</b>	No information available
<b>Specific Gravity</b>	0.88 g/cm <sup>3</sup>	<b>Vapor Pressure</b>	< 0.01 kPa (20°C)
<b>Viscosity</b>	Viscous	<b>NLGI</b>	2
<b>Solubility</b>	Insoluble in water	<b>Dropping Point</b>	145 C

**9.2. Other information**

No other information available

**10. STABILITY AND REACTIVITY****10.1. Reactivity**

Not considered as highly reactive. See further information below.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use

**10.4. Conditions to avoid**

No conditions to be specially mentioned.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

None under normal storage conditions and use

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**Product Information

The product itself has not been tested

Sensitization

No information available

Skin contact

Unlikely to be irritant on brief or occasional exposure

Eye contact

May cause irritation as itching and redness

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known reproductive substances in this product

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Product Information

The product itself has not been tested

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
ZINC DIALKYL DITHIOPHOSPHATE	LC50 1.0 - 5.0 mg/L Pimephales promelas 96 h LC50 10.0 - 35.0 mg/L Pimephales promelas 96 h	EC50 1 - 1.5 mg/L 48 h	

**12.2. Persistence and degradability**

Persistence and degradability are substance specific, no test data is available on the constituents of this mixture to degrade or persist in the environment, either through biodegradation or other processes, such as oxidation or hydrolysis.

**12.3. Bioaccumulative potential**

There is no test data on any of the components of this mixture

**12.4. Mobility in soil**

The product is insoluble and floats on water.

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

**12.6. Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**Waste from Residues / Unused Products

Dispose of in accordance with local regulations

Contaminated Packaging

Empty remaining contents. Empty containers should be taken for local recycling, recovery or waste disposal. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable: 12 01 12\* spent waxes and fats

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

**14. TRANSPORT INFORMATION**

Not classified for transport as dangerous goods

**14.5. Environmental hazards**

The mixture is not environmentally hazardous for transport

**14.6. Special precautions for user**

No special precautions

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Packaged product, not typically transported in IBC's

**Additional information**

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This preparation is not classed as hazardous by Directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

WGK Classification

Water-endangering (WGK 2), Classification according VwVwS

**15.2. Chemical safety assessment**

No safety assessment has been created

**16. OTHER INFORMATION****Text of R phrases mentioned in Section 3**

R22 - Harmful if swallowed. R34 - Causes burns. R36/38 - Irritating to eyes and skin.

**Prepared By** JD, Michael Andrew

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**Revision Summary**

Replaces SDS reference 104630F1

**Further Information**

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS.

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Safety Data Sheet**