

# SAFETY DATA SHEET LUBRA K AHT

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 3.2

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

### 1.1. Product identifier

Product Name LUBRA K AHT  
Product Code 11000814V1 (CLP)

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

#### Recommended use

Lubricant.

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

NCH UK & Ireland, NCH House, Springvale Avenue, Bilston, WV14 0QL Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502  
E-mail address technical\_uk@nch.com  
Website address www.ncheurope.com

### 1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)  
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Aerosols: Category 1  
H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

##### Hazard pictograms



Signal word DANGER

##### Hazard Statements

H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated

##### Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P211 - Do not spray on an open flame or other ignition source  
P251 - Do not pierce or burn, even after use  
P271 - Use only outdoors or in a well-ventilated area  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P260 - Do not breathe mist/spray.  
Keep out of reach of children.  
For industrial and institutional use only.

### 2.3. Other hazards

No additional hazards identified.

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

## SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

### 3.2 Mixture

Chemical Name	CAS-No.	EC No.	EU - REACH reg number	Weight-%	EU - GHS/CLP Classification	Notes
PROPANE	74-98-6	200-827-9	01-2119486944-21	10 - < 20	Press. Gas Flam. Gas 1 (H220)	

For any H statements mentioned in this section, see the full text in section 16.

#### EU Notes

Note K - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w 1,3-butadiene

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### General advice

If symptoms persist, call a physician.

##### 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. If skin irritation persists, call a physician.

##### Ingestion

Do NOT induce vomiting. Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label.

##### Inhalation

If exposed to high concentrations of the aerosol vapours, move to fresh air. If symptoms persist, call a physician.

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

##### Sensitisation

No information available.

##### Eye contact

May cause irritation as itching and redness.

##### Skin contact

Unlikely to be irritant on brief or occasional exposure.

##### Inhalation

May cause headaches, dizziness, drowsiness and nausea.

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

##### Notes to physician

Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder. Water spray. Alcohol-resistant foam.

##### Extinguishing media which must not be used for safety reasons

Water jet.

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

Material can create slippery conditions. Thermal decomposition can lead to release of irritating gases and vapours. Pressurized container. Extremely flammable. Keep product and empty container away from heat and sources of ignition.

#### 5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Avoid contact with skin, eyes, and clothing. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Ventilate the area. Due to the nature of the aerosol packaging, a large spill is unlikely. For a small spill, wear appropriate protective clothing, ventilate the area, absorb with an inert material and transfer all material into a properly labeled container for disposal. Use care as spills may be slippery.

#### 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.

##### Methods for Cleaning up

For the non volatile residues: Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

Refer to sections 7, 8 and 13.

**SECTION 7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation.  
Avoid breathing vapours or mists.

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

For safety reasons in case of fire, cans should be stored separately in closed containments. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

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

No information available.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**Exposure limits

If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Chemical Name	European Union	The United Kingdom	France	Germany	Austria
PROPANE				AGW: 1000ppm AGW: 1800mg/m <sup>3</sup> Peak: 4000ppm Peak: 7200mg/m <sup>3</sup> TWA: 1000ppm TWA: 1800mg/m <sup>3</sup>	STEL: 2000 ppm STEL: 3600 mg/m <sup>3</sup> TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

Chemical Name	Spain	Portugal	Italy	The Netherlands	Switzerland
PROPANE	TVA: 1000 ppm	TWA: 1000 ppm			STEL: 4000 ppm STEL: 7200 mg/m <sup>3</sup> TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>

Chemical Name	Denmark	Finland	Norway	Sweden	Czech
PROPANE	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1500 mg/m <sup>3</sup> STEL: 1100 ppm STEL: 2000 mg/m <sup>3</sup>	TWA: 500 ppm TWA: 900 mg/m <sup>3</sup> TWA: 40 ppm TWA: 275 mg/m <sup>3</sup>		

Chemical Name	Poland	Ireland
PROPANE	NDS: 1800 mg/m <sup>3</sup>	TWA: 1000 ppm STEL: 3000 ppm

**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.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 14387 (organic vapours). In case of inadequate ventilation wear respiratory protection.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested : Neoprene gloves (0.4 mm). Nitrile rubber (0.4 mm). 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 practise. Wash hands before breaks and at the end of workday.

**SECTION 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>	Light yellow	<b>Specific Gravity</b>	0.82
<b>Physical State</b>	Liquid	<b>Solubility</b>	Insoluble in water
<b>Odour</b>	Hydrocarbon	<b>Autoignition Temperature</b>	No data available
<b>pH</b>	Not applicable.	<b>Viscosity</b>	Viscous
<b>Melting Point/Range</b>	No information available.	<b>Explosive properties</b>	No information available
<b>Boiling Point/Range</b>	-40 °C	<b>Oxidizing Properties</b>	No information available.
<b>Flash Point</b>	< -50 °C	<b>VOC Content (%)</b>	10 %
<b>Evaporation Rate</b>	No information available.	<b>Pour Point</b>	< -30 °C (aerosol concentrate)
<b>Flammability Limits in Air %</b>	No information available.		
<b>Vapor Pressure</b>	No information available.		
<b>Vapor Density</b>	No information available.		

**9.2. Other information**

No other information available

**SECTION 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**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from open flames, hot surfaces, and sources of ignition.

**10.5. Incompatible materials**

Strong oxidising agents.

**10.6. Hazardous decomposition products**

None under normal storage conditions and use.

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

The product itself has not been tested.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
PROPANE			= 658 mg/L ( Rat ) 4 h

Sensitisation

No information available.

Skin contact

Unlikely to be irritant on brief or occasional exposure.

Inhalation

May cause headaches, dizziness, drowsiness and nausea.

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 substances in this product with effects on reproduction.

**SECTION 12. ECOLOGICAL INFORMATION****12.1. Toxicity**Product Information

The product itself has not been tested.

**12.2. Persistence and degradability**

Readily biodegradable according to CEC-L-33-A-93.

**12.3. Bioaccumulative potential**

Not likely to bioaccumulate. Component information below.

Chemical Name	log Pow
PROPANE	2.3

**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.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

##### Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

##### Contaminated Packaging

Do not expose to heat, flames, sparks or other sources of ignition. Do not pierce or burn, even after use. Empty containers should be taken for local recycling, recovery or waste disposal.

##### EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

16 05 04\* gases in pressure containers (including halons) containing dangerous substances

15 01 10\* packaging containing residues of or contaminated by dangerous substances

##### Other Information

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

### SECTION 14. TRANSPORT INFORMATION

#### 14.1, 14.2, 14.3, 14.4.

IMDG/IMO

<b>UN Number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, Flammable
<b>Hazard Class</b>	2.1
<b>EmS</b>	F-D, S-U

ADR / RID

<b>UN-No</b>	UN1950
<b>Hazard Class</b>	2.1
<b>Classification Code</b>	5F
<b>Limited Quantity</b>	1 L
<b>Transport Cat. (Tunnel Restriction Code)</b>	2 (D)

IATA/ICAO

<b>UN-No</b>	UN1950
<b>Hazard Class</b>	2.1
<b>ERG Code</b>	10P

#### 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.

### SECTION 15. REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

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#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture by the supplier

### SECTION 16. OTHER INFORMATION

#### Text of H statements mentioned in Section 3

H220 - Extremely flammable gas.

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

On the basis of test data. H222 - Extremely flammable aerosol.

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#### Revision summary

CLP update. SDS sections updated 2 15 3 16

#### Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungskategorie (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)

EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods

ERG: Emergency Response Guidebook

IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances

GHS: Globally Harmonised System of classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Chemical

w/w: weight for weight

DMSO: Dimethyl sulphoxide

OECD: Organization for Economic Cooperation and Development

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

#### Further Information

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

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

#### 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**