



MATERIAL SAFETY DATA SHEET

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Revised Edition No. 3
Date: 05/07/12
Supersedes: Edition 2

INDU-TEK COPPER-EASE

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: Indu-Tek Copper-Ease
Company Identification: Mako-Lube Limited
Units 2&3 Mayfield Industrial Estate
Liverpool Road
Irlam
Manchester, M44 6GD
Tel: +44(0)161 777 9970
Fax: +44(0)161 777 9980
info@mako-lube.com
Type of product: Aerosol
Use: Lubricant

2. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Irritating to skin. Harmful to aquatic organisms, may cause long term effects in the aquatic-environment. Vapours may cause drowsiness and dizziness.
Other hazards: In use. May form flammable/explosive vapour/air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients: NAPHTHA (PETROLEUM). HYDROTREATED LIGHT: LOW BOILING POINT HYDROGEN
10-30%
CAS: 64742-49-0
[F] R11: [Xn] R65: [Xi] R38: [N] R51/53: [-] R67
BUTANE 10-30%
EINECS: 203-448-7 CAS: 106-97-8
[F-] R12

4. FIRST AID MEASURES

Inhalation There may be irritation of the throat with a feeling of tightness in the chest
Skin Contact There may be irritation and redness at the site of contact
Eye Contact There may be irritation and redness. The eyes may water profusely.
Ingestion It is unlikely that this substance will be swallowed due to its physical properties

5. FIRE FIGHTING MEASURES

Exposure Hazards	Extremely flammable
Extinguishing Media	Carbon Dioxide. Alcohol resistant foam. Dry chemical powder
Protection for Fire-Fighters	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
Clean up methods	Wash the ground with an appropriate self-emulsifying solvent. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

STORAGE	Store away from heat, sparks, open flames. Store in cool, dry well ventilated areas.
HANDLING	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients:	NAPHTHA (PETROLEUM). HYDROTREATED LIGHT: LOW BOILING POINT HYDROGEN WEL (8 hr TWA): 1000mg/m3 BUTANE WEL (8 hr TWA): 1450mg/m3 WEL (15 min STEL): 1810 mg/m3
Engineering Measures	Ensure there is sufficient ventilation of the area
Respiratory Protection	Self-contained breathing apparatus must be available in case of emergency.
Hand Protection	Protective Gloves
Skin Protection	Protective clothing
Eye Protection	Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Colour	Gold-Brown
Odour	Characteristic odour
Oxidising	Non Oxidising (by EC criteria)
Solubility in Water (vol/vol)	Material insoluble in water
Flammability limits %: lower:	0.8
Upper:	9.0
Flash Point	-40°C

10. STABILITY AND REACTIVITY

Hazardous decomposition products	In combustion emits toxic fumes of carbon dioxide/carbon monoxide
Stability	Stable under normal conditions
Materials to avoid	Oxidizing agents.
Conditions to avoid	Hot surfaces. Sources of ignition. Flames

11. TOXICOLOGICAL INFORMATION

Routes of exposure Refer to section 4 of SDS for routes of exposure and corresponding symptoms

12. ECOLOGICAL INFORMATION

Mobility	Insoluble in water
Persistence and degradability	Biodegradable
Bioaccumulative potential	No bioaccumulation potential
Other adverse effects	Harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company
NB	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

14. TRANSPORT INFORMATION

General Information	Classification including: UN Class: 1950, ADR Class: 2, RID Class: 2, IMDG Class: 2, Un No. 1950, EmS:2-13, Labeling: 2.1 IATA Class: 2, UN No. 1950, Labeling: 2:1
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15. REGULATORY INFORMATION

Symbol(s)	Extremely Flammable Irritant
R Phrase(s)	R12 – Extremely Flammable R-38 – Irritating to skin R52/53 – Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment R67 – Vapours may cause drowsiness and dizziness
S Phrase(s)	S2 – keep out of the reach of children S23 – Do not breathe vapour/spray S51 – Use only in well-ventilated areas S61 – avoid release to the environment. Refer to special instructions/safety data sheets
Precautionary Phrases	Pressurized container: protect from sunlight, do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep out of reach of children.
Haz. Ingredients (label)	NAPHTHA (PETROLEUM). HYDROTREATED LIGHT: LOW BOILING POINT HYDROGEN
Note:	The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions

16. OTHER INFORMATION

Other information

Risk phrases used in S.3

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006

R11: Highly Flammable

R65: Harmful: may cause lung damage if swallowed

R38: Irritating to skin

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R67: Vapours may cause drowsiness and dizziness

R12: Extremely flammable

DISCLAIMER OF LIABILITY:

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. The conditions of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This MSDS was prepared solely for the product stated and should not be used for any other product.

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