



MATERIAL SAFETY DATA SHEET

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Indu-Tek Permian WR Chain Oil

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: Indu-tek Permian WR Chain Oil
Company Identification: Mako-lube Limited
Units 2 & 3 Mayfield Industrial Estate
Liverpool Road
Irlam
Manchester, M44 6GD
Tel: +44(0)161 777 9970
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info@mako-lube.com
Type of product: Oil
Use: Lubricant

2. HAZARDS IDENTIFICATION

Symptoms relating to use: Not classified as Hazardous

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is not considered to be hazardous but contains hazardous components.

Substance name	Contents	CAS No	EC No	Index No	Classification
Tert-Butylphenol derivative:	< 0.5 %				N; R51-53
Zinc Dialkyldithiophosphate:	< 0.5 %				Xi; R38 – 41 N; R51-53
Barium salts with the exception of Barium Sulphate	< 1.5 %			056-002-00-7	Xn; R20 / 22

4. FIRST AID MEASURES

Inhalation Use in a well ventilated area. Remove patient to fresh air, allow patient to rest
Skin Contact Wash skin thoroughly with mild soap and water.
Eye Contact Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
Ingestion Do not induce vomiting. Obtain medical attention. Allow patient to rest

5. FIRE FIGHTING MEASURES

Prevention Do not expose to naked flames or fire. No smoking.
Extinguishing Media Foam, Powder, Sand, water fog
Surrounding Fires Use water spray to cool containers
Specific Hazards Under fire conditions, hazardous fumes will be present
Protection for Fire-Fighters Do not enter fire area without Proper Protective Equipment, including respiratory equipment.
Special procedures Exercise caution when entering any lubricant or chemical fire.

6. ACCIDENTAL RELEASE MEASURES

General Precautions	May be slippery if spilled. Remove from ignition sources. Do not breathe fumes or vapours from decomposition.
Personal Precautions	Avoid contact with skin and eyes. No Smoking. Clean up crews should wear proper protective equipment.
Environmental Precautions	Prevent entry to sewers and public water ways. Notify authorities if product enters sewers or public waters
Clean up methods	Absorb into dry earth or sand. Transfer into appropriate container.

7. HANDLING AND STORAGE

GENERAL	Ensure there is adequate ventilation. Avoid all unnecessary exposure to naked flames or potential fire risks. No Smoking.
STORAGE	Store in tightly sealed containers, away from heat, sparks, open flames. Store in cool, dry well ventilated areas. Keep away from food, drink and animal feeding stuffs. Keep away from combustible material
HANDLING	Ensure prompt removal from eyes, skin, clothing. Wash hands and other exposed areas with mild soap and water before you eat, drink or smoke, leave work. Keep away from food, drink. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory Protection	No special respiratory protection equipment is recommended under normal conditions of use. Where excessive vapour may result, wear approved mask
Hand Protection	Wear Barrier Cream, if repeated or prolonged contact, wear protective clothes
Skin Protection	In the case of possible repeated skin contact wear protective clothing
Eye Protection	Eye protection is only necessary where product could be splashed or sprayed
Ingestion	When using do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C	Liquid Oil
Colour	Brown
Odour	characteristic
Melting point	N/A
Density	0.9
Solubility in Water (vol/vol)	Material insoluble in water
Flash Point	>230°C

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Combustion will generate smoke, carbon monoxide, carbon dioxide, nitrous oxides, phosphorus
Hazardous reactions	None under normal conditions
Hazardous properties	None under normal conditions
Materials to avoid	Strong oxidizing agents
Conditions to avoid	Naked flames, fires, sparks

11. TOXICOLOGICAL INFORMATION

Inhalation	Not expected to prevent a significant inhalation hazard under anticipated conditions of normal use. Inhalation of mists or vapours at elevated temperatures may cause respiratory irritation.
Dermal	Repeated or prolonged exposure may have a defatting effect or cause dermatitis.
Ocular	Contact with the eyes is likely to be irritating.

12. ECOLOGICAL INFORMATION

On Product	Non Volatile. Prevent entry to sewers and public water ways.
Ecological Effects	Not soluble in water, so only minimally bio-degradable
Bio-accumulation	Product is not expected to bio-accumulate

13. DISPOSAL CONSIDERATIONS

General	Dispose of in a safe manner in accordance with local/national regulations
Disposal method	In accordance with local/national regulations may be taken to waste disposal site.
Disposal of used packaging	Use a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

General Information	Not classified including: UN Class, ADR RID Class, IMDG Class, IATA Class
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15. REGULATORY INFORMATION

Symbol(s)	None
R Phrase(s)	None
S Phrase(s)	None

16. OTHER INFORMATION

Product Use:	For Industrial use only. Lubricant
Risk Phrases in full	R20/22 : Harmful by inhalation and if swallowed. R38 : Irritating to skin. R41 : Risk of serious damage to eyes. R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The contents and format are in accordance with the following directives:

EC Directive 91/155/EEC defining the laying down and detailing of specific information relating to Dangerous Preparations Directive – 2001/58/EC.
EC Directive 88/379/EEC relating to the classification, packaging and labeling of dangerous preparations.

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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