



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Metal Forming Oil MF688

GENERAL USE: Metal working fluid for metal parts forming.

PRODUCT FORMULATION NAME: E.P. additive, lubricating base oil,

MANUFACTURER

LONG LUB-TEK CORPORATION

330-12 Sec.1 Zhong Zheng Rd. Sanxia Dist., New Taipei City TAIWAN.

Phone No.: 886-2-26742566

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2. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance -----Dark amber liquid

Odor ----- mild

Specific gravity ----- 1.020

Flash point(COC) °C min. -----240

3. FIRE AND EXPLOSION HAZARD DATA

Flash point(COC) °C : 240°C

Flammable Class: Flammable

Extinguishing media: Carbon Dioxide, Foam, Dry chemical

Special Fire-fighting Procedures: Water may be used to cool containers exposed to heat.

Unusual Fire Hazards: Treat like petroleum fire.

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4. HEALTH HAZARD DATA

DANGER: CORROSIVE TO THE EYES
WARNING: IRRITATING TO THE SKIN

Eye Irritation	(Rabbits)	Corrosive to the Eye
Skin Irritation	(Rabbits)	Moderate Primary Skin Irritant
DOT Skin Corrosion	(Rabbits)	Non-Corrosive: Moderate Primary Skin Irritant
Acute Dermal Toxicity	(Rabbits)	LD ₅₀ >20.000mg/Kg
Acute Inhalation	(Rats)	LC ₅₀ >18mg/l
Acute Oral Toxicity	(Rats)	LD ₅₀ >5.000mg/Kg
Skin Sensitivity	(Guinea Pigs)	Buehler – Minimal contact sensitizer

5. EMERGENCY AND FIRST AID PROCEDURE

EYES: Wash eyes with clean flowing water for two or three minutes. Remove any contact lenses and continue flushing for 15 minutes. If irritation occurs or persists, get medical attention.

SKIN: Remove contaminated clothing including shoes and immediately wash affected area with plenty of soap and water. Seek medical attention. Wash contaminated clothing and shoes before reuse.

INGESTION: Induce vomiting, wash out mouth with water and keep at rest. Seek immediate medical attention.

INHALATION: Remove to fresh air. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

6. SPILL OR LEAK PROCEDURE

Small Amounts: Add oil adsorbent, shovel up and place in closed containers for disposal.

Large Amounts: Dike to container and pump into drums for use or disposal.

7. DISPOSAL METHODS

Not a hazardous waste under RCRA (40CFR 261). Dispose of in the manner prescribed in Federal, State and Local regulations.

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8. SPECIAL PROTECTION INFORMATION

Eye Protection: Wear safety goggles.

Protective Gloves: Wear oil impervious gloves.

Respiratory: If misting occurs, use NIOSH approved respirator for oil mist
Provide general, mechanical ventilation.

9. SPECIAL PRECAUTIONS

DO NOT ALLOW EYE CONTACT

AVOID SKIN CONTACT

DO NOT INGEST

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

**EYEWASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE EASILY ACCESSIBLE
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR
SMOKING**

10. REGULATORY INFORMATION

DOT Class: Not regulated

DOT Number; UN #: Not Applicable

RCRA Status: Material is not a hazardous waste under RCRA
(40 CFR 261)

NTP, IARC and OSHA: Not listed as a carcinogen.

U.S. TSCA, EEC EINECS, Japan MITI, Canada DSL, Australia AICS:

All components are listed or in compliance with current regulations.

SARA Title III Section 313 Supplier Notification:

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.