



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: METAL FORMING FLUID MF120

GENERAL USE: Water soluble metal working fluid for metal parts forming .

PRODUCT FORMULATION NAME: Graphite, corrosion inhibitor, E.P. additive,
water

MANUFACTURER

LONG LUB-TEK CORPORATION

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

Phone No.: 886-2-26742566

Fax No.: 886-2-26742730

2. TYPICAL PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance ----- Black liquid

Odor ----- mild

Specific gravity ----- 1.110

Flash point(COC) °C min. ----- None

PH (50% dilution in water) ----- 9.53

3. FIRE AND EXPLOSION HAZARD DATA

Flash Point: No flash via TCC.

Flammable Limits: Product is not flammable.

Extinguishing Media: Does not apply.

Special Procedures: Does not apply.

Unusual Hazards: Sealed container can build up pressure when exposed to
high heat. Cool containers with water.

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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.

6. SPILL OR LEAK PROCEDURE

Small Amounts: Flush with large volume of water.

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.

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.

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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.