

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name and Use: FORMALL 2340 - Metal Forming Lubricant

Manufacturer: Lamson Oil Company
5060 27th Avenue, Rockford, Illinois 61109 USA

Telephone Number: (815) 226-8090

Emergency Number Call (Infotrac) (800) 535-5053

Please call INFOTRAC in the event of a transportation or medical emergency involving a human or an animal.

2. HAZARD IDENTIFICATION



Signal Word: Danger

Physical and Health Hazards:

Aspiration toxicant: Category 1

Serious Eye Damage: Category 1

Skin Irritation: Category 2

Hazard Statements:

May be fatal if swallowed and enters airways.

Causes serious eye damage.

Causes skin irritation.

Precautionary Statements:

Wear protective gloves and eye protection. Wash hands thoroughly after handling.

IF SWALLOWED: Immediately call a Poison Center or Physician. Do not induce vomiting.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.

If skin irritation occurs, get medical attention.

Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical attention.

In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO₂) for extinction.

Store in a well ventilated place. Keep cool.

Avoid release to the environment. Collect spillage.

Dispose of contents and container in accordance with local regulations.

3. COMPONENTS

Ingredients Effecting Classification	CAS #	Weight %
Hydrotreated Distillate (Petroleum)	64742-46-7	> 50%
Emulsifier Base	Mixture	> 10%
Nitrobutyl Morpholine	2224-44-4	< 2%

4. FIRST AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Get medical attention.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. If skin irritation occurs, get medical attention.

IF SWALLOWED: Immediately call a Poison Center or Physician. Do not induce vomiting.

IF INHALED: Remove to fresh air; apply artificial respiration if necessary. Get medical attention. Ingested material may be aspirated into the lungs and cause chemical pneumonia.

5. FIRE-FIGHTING MEASURES**General Hazard**

Petroleum products can form combustible mixtures at temperatures at or above the flash point. Empty containers can contain residues that can cause fires or explosions when exposed to heat, flames, or sparks.

Fire-Fighting

Keep fire exposed containers cool with water spray. Separate unburning product from fire. Use carbon dioxide, foam, or dry chemical extinguishing media to put out fires.

Unusual Decomposition Products Under Fire Conditions

None

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Remove greatly contaminated clothing, including shoes and wash thoroughly after contact. Launder contaminated clothing before reuse.

Environmental Precautions

Stop leak if without risk.

Dike large spills to prevent ingress into sewers and waterways.

Eliminate all sources of ignition.

Ensure adequate ventilation.

Clean spills with absorbent and store in marked containers for disposal.

Dispose in accordance with all applicable regulations.

7. HANDLING AND STORAGE**Safe Handling and Storage**

Do not handle, store, or dispense near open flames or ignition sources.

Keep containers inside and out of direct sunlight. Avoid extreme temperatures.

Do not reuse containers.

Incompatible Products

Avoid strong oxidizing and reducing agents.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION**Ventilation**

Local exhaust is usually sufficient. General exhaust is preferred.

Personal Protection

Use approved respirator when airborne exposure limits are exceeded. Use solvent resistant gloves to avoid prolonged contact. Wear goggles or safety glasses with splashguards.

Work Place Exposure Guide Lines

Petroleum Oil mist has a TLV limit of 5 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	> 500 °F
Specific Gravity (water =1):	0.85
Vapor pressure (mm Hg):	< 0.01
Melting Point:	Not Applicable
Vapor Density (Air =1):	> 5
Evaporation Rate (butyl Acetate=1):	0.01
Solubility in water:	Insoluble
Reactivity in water:	NIL
Appearance and Odor:	Clear, light amber liquid; low odor
Flash point:	266 °F typical
Flammable Limits (volume percent in air):	LEL: 0.4 UEL: 5.0
Autoignition Temperature: approximately	477 °F

10. STABILITY AND REACTIVITY

Stability: [] Unstable [X] Stable

Conditions to avoid: None

Incompatibility (Materials to avoid): Strong oxidizing and reducing agents.

Hazardous Decomposition Products: Combustion may produce oxides of carbon.

Hazardous Polymerization: [] May Occur [X] Will Not Occur

Conditions to Avoid: Not Applicable

11. TOXICOLOGICAL INFORMATION

This product has minimal toxicity when inhaled, ingested, or when skin or eye contact is made.

This product is considered an aspiration hazard based on its physical/chemical properties.

Nitrobutyl Morpholine in its pure form is a known skin sensitizer; but because of the low amount contained, this product is not expected to cause skin sensitization.

No data is available to indicate that any ingredient is mutagenic or genotoxic.

This product is not expected to cause reproductive or developmental effects.

Contact with eyes will result in serious eye damage

Repeated exposure to low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

Exposure to vapor or aerosol concentrations above the recommended exposure level are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, and even unconsciousness.

12. ECOLOGICAL INFORMATION

This product is toxic to aquatic life with lasting effects.

This product is classified as a Volatile Organic Compound and will slowly evaporate into the air upon release.

Please refer to section 6 for accidental release information.

13. DISPOSAL CONSIDERATIONS

This product is not suitable for disposal by either landfill or municipal sewers, natural streams or rivers.

This product can be incinerated directly in appropriate equipment.

14. TRANSPORT INFORMATION

This product is considered non-hazardous to transport.

Transportation name: Petroleum Product - Lubricant

15. REGULATORY INFORMATION

All components of this product are on the U.S. EPA TSCA Inventory List.

This product does not contain a reportable chemical under SARA section 313.

16. OTHER INFORMATION

This document was revised 13 May 2020