



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

SECTION 1 - MANUFACTURER INFORMATION

Haynes Manufacturing Co.
24142 Detroit Rd.
Westlake, Ohio 44145, USA

Emergency Phone (440) 871-2188
Contact: Beth Kloos

PRODUCT NAME: :HAYNES LUBRI-FILM SPRAY
CHEMICAL NAME: :NOT APPLICABLE
CHEMICAL FAMILY: :HYDROCARBON OIL LUBRICANT
FORMULA: :06-186-06
PRODUCT CODE: :60

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL/COMMON NAME</u>	<u>CAS-NUMBER</u>	<u>%</u>
LIQUEFIED PETROLEUM GAS (Propellant)	68476-86-8	15-25
ISOPARAFFINIC HYDROCARBON SOLVENT	64741-66-8	25-35
POLYMER THICKENED PETROLEUM LUBRICATING	N/A	45-55

SECTION 3 – HAZARD IDENTIFICATION

CAUTION! EXTREMELY FLAMMABLE

Odor/Appearance: White mist as dispersed from aerosol can.

Potential health effects

Routes of exposure: Skin, eyes, inhalation, ingestion.

Eye Contact: May cause immediate or delayed irritation. Irritation may show up as redness and/or swelling. May cause corneal damage.

Skin Contact: Repeated or prolonged contact with skin may produce redness, irritation and/or dryness. May cause or aggravate dermatitis or other existing skin condition.

Inhalation: Inhalation of vapors or spray mist may cause headaches, and/or nose and throat irritation.

Ingestion: Ingestion may cause irritation to the mouth, esophagus, and/or stomach.

Signs or Overexposure:
Irritation of eyes, nose, throat, digestive tract.



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

Pre-existing Conditions Aggravated:

Skin and respiratory disorders. Alcoholism, kidney, liver, cardiovascular, and nervous system disorders.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: Flush with warm water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash skin with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

INHALATION: Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

INGESTION: Immediately give the person two large glasses of water. Do not induce vomiting. Get medical attention immediately. **DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!**

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: Flash point of propellant < 0 °F

Flammable limits in air, % by volume:

Upper: No information

Lower: No information

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

This material may be ignited by extreme heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

SPECIAL FIRE FIGHTING PROCEDURES:

At elevated temperatures (over 130°F) aerosol container may burst, vent or rupture; use equipment or shielding to protect personnel. Cooling exposed containers with streams of water may be helpful. Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material will float on water, avoid spreading the fire.



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

SECTION 6 – ACCIDENTAL RELEASE

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

SECTION 7 – HANDLING AND STORAGE

Handling:

Store below 120°F in cool, dry area, out of direct sunlight and away from strong oxidizers. Do not puncture or burst. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld, or apply heat to empty containers. Do not incinerate.

Storage:

Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Use synthetic gloves if necessary to prevent excessive skin contact. Do not wear contacts and always use ANSI approved safety glasses and splash shield.

ENGINEERING CONTROLS: General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposure below TLV levels.

REPIRATORY PROTECTION:

Use adequate ventilation to maintain exposure limits. If the exposure limits of the products or any of its components is exceeded, an approved organic vapor mask should be used (consult your safety equipment supplier). Above 1000



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

ppm, an approved self-contained breathing apparatus or airline respirator with full face-piece is required.

OTHER SUGGESTED EQUIPMENT:

Eye wash station and emergency showers should be available. Spill containment equipment should be available.

DISCRETION ADVISED:

Haynes takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

EXPOSURE GUIDELINES:

	CAS-NUMBER	PERCENT	EXPOSURE LIMITS
LPG	68476-86-8	15-25%	OSHA (PEL) 1000 ppm ACGIH TLV 1000 ppm
Isoparafinic Hydrocarbon	64741-66-8	25-35%	Recommended 300 ppm
Polymer Thickened Petroleum	N/A	45-55%	OSHA (PEL) 5mg/M3 ACGIH TLV 5mg/M3

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A
Spec Gravity:	<1
Vapor Density:	>1 (Air=1)
Odor/Appearance:	White mist as dispensed from aerosol can.
Evaporation Rate:	Ether = 1 Slower
Water Solubility:	Negligible

SECTION 10 – STABILITY AD REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Heat, spark, and open flame.
Incompatibility:	Strong-Oxidizing Agents
Hazardous Decomposition Products:	Combustion will produce Carbon Monoxide, Carbon Dioxide, and nitrogen-oxygen compounds.
Hazardous Polymerization:	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Component Toxicological Information: No Data.



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

SECTION 12 – ECOLOGICAL INFORMATION

N/A

SECTION 13-DISPOSAL CONSIDERATIONS

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners, and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9-Physical and Chemical Properties.

SECTION 14 – TRANSPORT INFORMATION

Ground (US DOT) Consumer Commodity, Class ORM-D

Or

Air (IAIA)

Consumer Commodity, Class 9, UN/ID 8000, Packing 1900, Authorization: Limited Quantity

Vessel

Aerosol (Limited Quantity), Class 2, UN No 1950

SECTION 15 – REGULATORY INFORMATION

Environmental Regulations

All the chemicals used in this product are TSCA listed.

Isoparaffinic Hydrocarbon solvent **64741-66-8**

Clean Water Act/Oil Pollution Act:

This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8882.

SARA Title III:

Under the provisions of Title III, Sections 311-312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: FIRE

Liquefied Petroleum Gas **68476-86-8**

SARA Title III:



Material Safety Data Sheet
HAYNES LUBRI-FILM SPRAY
Haynes Manufacturing Company

Under provisions of Title III 311-312 of the Superfund Amendments and Reauthorization Act this product is classified into the following hazard categories: Acute Health, Fire, Pressure Hazard.

Check with your local regulators to be sure all local regulations are met.

SECTION 16-OTHER INFORMATION

Hazard rating: This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

NFPA Ratings: Level 3 Aerosol

HMIS RATINGS:

Health: 1
Fire: 4
Reactivity: 0

Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant

NOTE:

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Haynes makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an MSDS does not indicate that the possessor of the MSDS was a purchaser or user of the subject product.