

IDENTITY, (As Used on Label and List) Starrett M-1 ALL PURPOSE LUBRICANT	Note: Blank spaces are not permitted if any item is not applicable information is available, the space must be marked to indicate
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Section I

Manufacturer's Name WEBBER GAGE DIVISION OF THE L.S. STARRETT CO	Emergency Telephone Number (216) 835-0001 or (978) 249-3551 at night
Address (Number, Street, City, State, and ZIP Code) 24500 Detroit Road Cleveland, OH, 44145	Telephone Number for Information (216) 835-0001
	Date Prepared APRIL 23, 1989 - Reviewed April 2001
	Signature of Preparer (optional) Henry R. Friedberg & Assoc TEL: (216) 333-2843

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS	% by weight
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Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	OTHER LIMITS	% by weight
M-1 is a mixture of:				
Aliphatic Petroleum Distillate	500mg/cubic meter	100ppm	CAS 8030-30-6	80%
Petrolatum	none	none	CAS 8009-03-8	10%
Proprietary Additives	none	none		10%
If a propellant is used, the propellant is CAS 124-38-9. Carbon Dioxide (CO ₂)				

NOTE 1. The proprietary ingredients, their specific chemical names and the individual percentages are withheld as Trade Secrets under section (i) Trade Secrets (1) of part 1900.1200 Hazard Communications. None of these ingredients are on any Toxic Substance List. They are not NTP, nor are they OSHA Regulated. Mixture is not photochemically reactive.

NOTE 2. Proper shipping name: Petroleum Distillate I.D. # UN 1268. IMDG Hazard Class Flammable Liquid 3.3 (Flammable Aerosol IMDG Code 3.1)

NOTE 3. The mixture as formulated, does not contain any substance listed in the final rule on Toxic Characteristics under 40 CFR 261 (Fed. Register 29 March 1990 Part II 11798-11877)

NOTE 4. The mixture as formulated, does not contain any chemical reportable under SARA Title III Section 313

Section III - Physical/Chemical Characteristics

Boiling Point	173° C 343° F	Specific Gravity (H ₂ O = 1)	0.788
Vapor Pressure (mm Hg)	n/a	Melting Point	n/a
Vapor Density (AIR = 1)	n/a	Evaporation Rate (Butyl Acetate = 1)	< 1
Solubility in Water	insoluble		
Appearance and Odor	Amber Pleasant		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) TOC 53 C (127° F)	Flammable Limits n/a	LEL n/a	UEL n/a
Extinguishing Media Regular Foam or Carbon Dioxide or Dry Chemical			
Special Fire Fighting Procedures Self-contained breathing apparatus with a full face piece operated in pressure demand or positive pressure mode			

Unusual Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flame and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Section V - Reactivity

Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) Avoid contact with strong oxidizing agents. (e.g. Nitric Acid, Permanganates, etc.)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
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Health Hazards (Acute and Chronic)
Can cause moderate irritation of skin, severe respiratory or gastrointestinal irritation, blurred vision, nausea, aspiration into lungs can cause chemical pneumonitis - which can be fatal.

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure

Redness and tearing of the eyes, defatting and dermatitis of the skin, dizziness, fatigue, nausea, headache. Excessive inhalation of vapors could lead to possible unconsciousness and even asphyxiation.

Medical Conditions - Generally Aggravated by Exposure	Unknown
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Emergency and First Aid Procedures

Thoroughly wash exposed areas of the skin with soap and water, flush eyes with water. If swallowed, DO NOT induce vomiting. If breathed, remove person to fresh air. In all cases, keep person quite and warm. GET IMMEDIATE MEDICAL ATTENTION.

Section VII - Precautions for Safe Handling and Use

Steps to be taken in Case Material Is Released or Spilled
Small Spills: Absorb liquid on absorbing material, transfer to hood
large spills: Eliminate all ignition sources, stop spill at source and dike area to prevent spreading. Pump liquid to salvage tank. Prevent run-off to sewers and streams. Persons not wearing protective equipment should be excluded from spill area until clean-up is completed.

Waste Disposal Method
 Destroy by liquid incineration and/or dispose material collected on absorbent material in a regulated Hazardous Waste Landfill in accordance to Federal, State and Local regulations.

Precautions to Be Taken in Handling and Storing
 Keep from strong oxidizers, heat and flame; avoid inhalation of spray particles. Do not store aerosol cans above 49° C (120° F) and do not incinerate containers.
 Other Precautions
 Any container of this material when emptied, may be hazardous due to product residues. All hazardous precautions in this Data Sheet must be observed.

Section VIII - Control Measures

Respiratory Protection (Specify Type) None required with TLV's maintained. When handling large spills, wear NIOSH/MESA jointly approved self-contained breathing apparatus with full face piece operated in pressure demand mode.

Ventilation	Local Exhaust:	Sufficient to Maintain TLV's	Special:	n/a
	Mechanical (General):	Sufficient to Maintain TLV's	Other:	n/a

Protective Gloves:	BUNA-N	Eye Protection:	OSHA approved chemical splash goggles.
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Other Protective Clothing or Equipment:
 Impervious clothing and boots to prevent prolonged skin contact. Use face shield when working over large open volumes

Work/Hygienic Practices: Use normal precautions.