

SECTION I
 PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER (as it appears on label)

LUBE-ALL (AEROSOL)

MANUFACTURER'S NAME

Spartan Chemical Co., Inc.

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE)

110 N. Westwood Ave., Toledo, OH 43607

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)

Lube-All - ORM-D, Cleaning Compound Liquid Compressed Gas

ADDITIONAL HAZARD CLASSES (AS APPLICABLE)

n/a

CHEMICAL FAMILY

n/a

EMERGENCY TELEPHONE NO.

(419) 531-5551

MANUFACTURER'S D-U-N-S NO.

00-503-6728

FORMULA

n/a

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TLV mg/M ³	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) (SPECIFY)
71-55-6	50-55	1,1,1 - Trichloroethane	1900	no
74-98-6	15-20	Propane	1800	no
64742-47-8	10-15	Mineral spirits	2000	no

SECTION III - PHYSICAL DATA

BOILING POINT

n/a of °C

VAPOR PRESSURE - Unknown

@ 75 °F °C mm Hg psi

VAPOR DENSITY (AIR = 1)

Unknown

SOLUBILITY IN WATER

Negligible

pH

N/a

SPECIFIC GRAVITY (H₂O = 1)

1.07 (concentrate)

EVAPORATION RATE (but. ace. = 1)

<1

APPEARANCE AND ODOR

Nonviscous, golden brown
 aerosol, chlorinated odor

PERCENT SOLID BY
 WEIGHT (%)

15-30

IS MATERIAL: (LIQUID) SOLID
 GAS PASTE POWDER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAME EXTENSION - 25"

METHOD USED - ASTM - D3065

FLAMMABLE LIMITS

LEL

UEL

n/a

EXTINGUISHING MEDIA

Foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES

Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.
 Wear self-contained breathing apparatus due to decomposition of products.

UNUSUAL FIRE AND EXPLOSION HAZARDS - At elevated temperatures (over 54°C/130°F) containers may vent, rupture or burst. Toxic gases may be formed by combustion.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - CONDITIONS TO AVOID THRESHOLD LIMIT VALUE - Not established
May cause skin or eye irritation. Avoid prolonged breathing of vapors. May cause central nervous system reaction such as dizziness, nausea, lightheadedness, loss of coordination and possible central nervous system damage. Severe overexposure can result in death.

PRIMARY ROUTES OF ENTRY INHALATION X SKIN CONTACT X OTHER (SPECIFY)

CONDITIONS AGGRAVATED BY USE - Unknown

EMERGENCY AND FIRST AID PROCEDURES - If ingested, do not induce vomiting. Call a physician immediately. In case of skin or eye contact, flood with water for at least 15 minutes. If eye irritation persists, call a physician.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE
 STABLE X

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂, hydrochloric acid, small amounts of chlorine and phosgene if ignited.

HAZARDOUS MAY OCCUR
POLYMERIZATION: WILL NOT OCCUR X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Recover free liquid. Add oil absorbent material to spill area. Avoid contamination of Water Supplies. Advise authorities if product enters sewers or waterways.

WASTE DISPOSAL METHOD

Do not incinerate or puncture aerosol container. Dispose of in accordance with state or local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

None

VENTILATION - Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations. If mechanical ventilation is used, use explosion-proof motors.

PROTECTIVE GLOVES (SPECIFY TYPE)

Neoprene

EYE PROTECTION (SPECIFY TYPE)

Safety goggles

OTHER PROTECTIVE EQUIPMENT

Nothing special

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not store where temperatures could exceed 130°F. Do not use or store near heat, sparks or open flame.

OTHER PRECAUTIONS - None

Spartan Chemical Co., Inc.
Lube-All (Aerosol)
Ref: 29 CFR 1910:1200 (OSHA)
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TITLE	Director of Research
DATE	March 23, 1987
SUPERCEDES	September 30, 1985