

## MATERIAL SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** LE-5  
**Manufacturer:** AGS Company  
**Street Address:** 2651 Hoyt St  
**City/State/Zip:** Muskegon Hts., MI 49444  
**Phone:** 800-253-0403  
**Phone:** 231-733-2101  
**FAX:** 231-733-1784  
**Transportation Emergen Phone:** CHEM-TEL 800-255-3924

**Trade Name:** Lock - Ease  
**Common Name:** Lock Lubricant

**Original Issue Date:** 11/12/85  
**Revision No.** 12 **Date** 2/15/05

## SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM	CAS NUMBER	WT/WT %
1 N - Hexane	110-54-3	30-60
2 Stoddard Solvent	8052-41-3	15-40
3 Propane / Isobutane / N-Butane	68476-86-8	10-30
4 Dripless Base Compound	Mixture	7-13

## EXPOSURE LIMITS

ITEM	ACGIH		OSHA	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING
1	50 ppm	N.E.	50	500 ppm
2	100 ppm	N.E.	100 ppm	500 ppm
3	800 ppm	N.E.	800 ppm	N.E.
4	N.E.	N.E.	N.E.	N.E.

(See Section 16 for abbreviation legend)

## SECTION 3 - HAZARDS IDENTIFICATION

**EYE CONTACT:** Liquid and vapors may be irritating and can cause pain, tearing, reddening and swelling.  
**SKIN CONTACT:** Prolonged or repeated contact may result in irritation and/or dermatitis.  
**INHALATION:** Prolonged inhalation may cause headaches, dizziness, nausea and drowsiness leading to unconsciousness.  
**INGESTION:** This material may be harmful or fatal if swallowed.  
**CHRONIC HAZARDS:** Overexposure may cause nervous system, pulmonary and kidney damage.  
**Primary Route(s) of Entry** Inhalation, skin and eye contact or ingestion.

## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN CONTACT:** Immediately flush with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**INGESTION:** Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**MATERIAL SAFETY DATA SHEET****SECTION 5 - FIRE FIGHTING MEASURES**

FLASH POINT: -156°F -104°C LOWER EXPLOSIVE LIMIT: 0.7 %  
UPPER EXPLOSIVE LIMIT: 9.5 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: Water fog, dry chemical, CO<sub>2</sub>, foam, and alcohol foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Container(s) may explode and cause injury or death. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue and can be dangerous. Do not expose container to heat, flame, sparks or other sources of ignition.

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective gear. Water spray may be utilized to cool containers.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

RECOVERY PROCEDURES: Absorb spill with inert material then place in a chemical waste container.

**SECTION 7 - HANDLING AND STORAGE**

HANDLING: Wash thoroughly after handling

STORAGE: Keep away from heat, sparks, and flame.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Use in well ventilated area. Local exhaust could be utilized to remove fumes.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed, however, if high vapor concentration should develop, use a NIOSH approved organic vapor respirator.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash in work area.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with eyes, skin, and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	43 - 387°F	6 - 197°C	VAPOR DENSITY:	Is heavier than air
ODOR	Solvent		ODOR THRESHOLD	N.D.
APPEARANCE	Dark Gray		EVAPORATION RATE	Is faster than Butyl Acetate
SOLUBILITY IN H <sub>2</sub> O	Negligible			
FREEZE POINT	N.D.		SPECIFIC GRAVITY	0.7139
VAPOR PRESSURE	80-90		pH @ 0.0%	N.A.
PHYSICAL STATE	Liquid, aerosol		VISCOSITY:	N.D.
COEFFICIENT OF WATER / OIL DISTRIBUTION:	Complete			

(See Section 16 for abbreviation legend)

**MATERIAL SAFETY DATA SHEET**  
SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Sources of ignition.

INCOMPATIBILITY: Strong acid or alkali, oxidizers and amines.

HAZARDOUS DECOMPOSITION PRODUCTS Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

STABILITY: This product is stable under normal storage conditions.

## SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD-50 &gt;5000 mg/kg PRODUCT LC-50 &gt;5500 ppm

## COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
N - Hexane	28710 mg/kg/rat	150000 mg/m <sup>3</sup> /mouse
Stoddard Solvent	>5000 mg/kg/rat	>5500 mg/m <sup>3</sup> /4h/rat
Propane / Isobutane / N-Butane	N.E.	658000 mg/m <sup>3</sup> /4h/rat
Dripless Base Compound	N.E.	N.E.
Graphite	N.E.	N.E.

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME Aerosol - Consumer Commodity

DOT TECHNICAL NAME Aerosols, flammable, n.o.s.

DOT HAZARD CLASS ORM-D HAZARD SUBCLASS: 2.1

DOT UN / NA NUMBER: UN1950 PACKING GROUP: NA RESP. GUIDE PAGE 126

## SECTION 15 - REGULATORY INFORMATION

U.S FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 cfr 1910.1200)

## CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III ) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD  
PRESSURIZED GAS HAZARD

## MATERIAL SAFETY DATA SHEET

## SARA SECTION 313

This product contains the following substance subject to the reporting requirements of Section 313 of Title of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT /WT % IS LESS THAN
n-hexane	110-54-3	40.0 %

## TOXIC SUBSTANCE CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
Stoddard Solvent	8052-41-3

U.S. STATE REGULATIONS: AS FOLLOWS -

## NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
No non-hazardous materials are among the top five ingredients.	

## PENNSYLVANIA RIGHT-TO-Know

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
No non-hazardous ingredients are present at greater than 3%	

## CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are know to the state of California to causes cancer, birth defects or other reproductive harm.

CHEMICAL NAME	CAS NUMBER
No Propositon 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

## SECTION 16 - OTHER INFORMATION

HMIS RATINGS:	Health	2	Flammability	4	Phys. Haz.	0	PPE	A
NFPA	Health	2	Flammability	4	Reactivity	0		

VOLATILE ORGANIC COMPOUNDS (VOCs): 5.05 lbs / gal 605 grams / liter

LEGEND:	N.A.	Not Applicable	N.E.	Not Established
	N.D.	Not Determined		

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