SAFETY DATA SHEET

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product identifier: Liquid X
Product use: Industrial Lubricant

Supplier name and address:
LCN Closers
121 Railroad Ave.
Princeton, IL, 61356 USA
Phone: (815) 875-3311

Manufacturer's name and address:
Refer to Supplier

24 Hour Emergency Telephone #: (INFOTRAC) 800-535-5053 Outside United States and Canada 352-323-3500

SECTION 2 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Signal Word: None
Amber liquid. Mild Petroleum Odor.
May be harmful if swallowed.
May cause skin and eye irritation.

POTENTIAL HEALTH EFFECTS

Target organs: Eyes, skin, and respiratory system.
Routes of exposure: Skin contact, eye contact, inhalation, ingestion.
Signs and symptoms of short-term (acute) exposure:
Inhalation: Excessive inhalation may cause irritation to the nose, throat, and respiratory tract.
Skin contact: Skin contact may cause irritation.
Eye contact: Direct eye contact may cause mild irritation.
Ingestion: This product presents an aspiration hazard. Aspiration into the lungs following ingestion and subsequent vomiting may cause lung injury.
Chronic effects: Repeated or prolonged skin exposure may result in drying, cracking and defatting of the skin (dermatitis). Repeated overexposure may cause a rare reaction in hypersensitive individuals.
Conditions aggravated by exposure: Pre-existing skin, eye, respiratory, kidney, liver, blood and central nervous system disorders.
Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.
Additional health hazards: See TOXICOLOGICAL INFORMATION, Section 11.
Potential environmental effects: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (weight)
Light naphthenic hydrotreated distillates (petroleum)	64742-53-6	60 - 100

SECTION 4 — FIRST AID MEASURES

Inhalation: If inhaled in excess, immediately remove victim to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.
Skin contact: Immediately remove contaminated clothing and shoes. Wash skin thoroughly with mild soap and running water. Obtain medical attention if irritation persists. Launder clothing before reuse.
Eye contact: Flush eyes with water. Obtain medical attention if irritation persists.
Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately. Never give anything by mouth to an unconscious or convulsing person. Guard against aspiration into the lungs.
Note to Physicians: Treat symptomatically.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: This material may be ignited when exposed to extreme heat, direct flame and other sources of ignition. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Product will float and may be re-ignited at the water's surface.

Flammability classification (OSHA 29 CFR 1910.1200): Class IIIB.

Flash point (Method) : 230°F (Cleveland Open Cup)

Auto-ignition temperature: N/Av

Lower flammable limit (% by volume): N/Av

Upper flammable limit (% by volume): N/Av

Explosion data: *Sensitivity to mechanical impact / static discharge:* Not expected to be sensitive to mechanical impact or static discharge.

Oxidizing properties: N/Av

Suitable extinguishing media: Use water fog, dry chemical, carbon dioxide or foam.

Special fire-fighting procedures/equipment: Firefighters should wear proper protective equipment and a self-contained breathing apparatus. Move containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors, and cooling equipment and containers exposed to heat and flame. Avoid spreading burning liquid with water spray used for cooling purposes.

Hazardous combustion products: Carbon oxides and other irritating fumes and smoke.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: All persons dealing with clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Dike far ahead of the spill with non-combustible, inert absorbent material.

Spill response/Cleanup: Eliminate all sources of ignition. Ventilate area of release. Stop leak if you can do so without risk. Use only non-sparking tools during the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand, earth), then place absorbent material into a suitable container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity (RQ): None

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Wear appropriate protective equipment during handling. Use in a well-ventilated area. Avoid inhalation of vapors. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep away from heat, flame and other sources of ignition. Use non sparking tools. Ground all equipment during handling operations. Keep away from incompatibles (see Section 10). Use caution when opening cap. Keep container tightly closed when not in use. Assume empty containers contain residues, which are hazardous.

Storage requirements: Store in a cool, dry, well-ventilated area away from all sources of ignition, incompatible materials and direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Use sufficient mechanical or local exhaust ventilation to maintain exposure below TLV's. For oil mists, OSHA and ACGIH recommend a TLV of 5 mg/m^3, 8-hour TWA.

Respiratory protection: Use NIOSH-approved respirators if airborne concentrations are above recommended TLV's or are not known. Advice should be sought from respiratory protection specialists.

Skin protection and other protective equipment: It is recommended that protective gloves impervious to the material be worn at all times during use. Confirmation of what type of material is most suitable for the intended application, should be obtained from glove suppliers. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

Eye / face protection: Chemical splash goggles to prevent direct contact, irritation, or injury.

General hygiene considerations: Avoid breathing vapors or mists. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when working. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

Permissible exposure levels: For individual ingredient exposure levels, see Section 2.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, color and odor: Amber Liquid, Mild Petroleum Odor.
Odor threshold: N/Av
Boiling point: N/Av
Specific gravity (water=1): 0.8816
Coefficient of oil/water distribution: N/Av
Solubility in water (%): Practically Insoluble.
Volatile organic compounds (VOC's): N/Av
Lower flammable limit (% by volume): N/Av
Upper flammable limit (% by volume): N/Av
Decomposition Temperature: N/Av

pH: N/Av
Evaporation rate (nBuAC=1): N/Av
Melting/freezing point: Not available
Vapor pressure (mmHg): N/Av
Vapor density (Air=1): Heavier than air
Percent Volatile by Volume: N/Av
Flash point (Method): 230°F (COC)
Auto-ignition Temperature: N/AV
Viscosity: 23.0 @ 40 °C

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable under the recommended storage and handling conditions prescribed.
Hazardous polymerization: Will not occur.
Conditions to avoid: Extreme heat, open flame and other sources of ignition.
Materials to avoid (incompatibles): Strong oxidizing agents.
Hazardous decomposition products: None known. Refer to 'Hazardous combustion products', Section 5.

SECTION 11 — TOXICOLOGICAL INFORMATION

Toxicological data: There is no available data for the product itself.
Carcinogenic status: None of the ingredients listed are classified as carcinogenic by IARC, ACGIH or NTP.
Reproductive effects, Teratogenicity, Mutagenicity: None known.
Sensitization to material: No skin or respiratory sensitization effects are known.
Other important hazards: None known.
Synergistic materials: Not available.

SECTION 12 — ECOLOGICAL INFORMATION

Chemical fate information: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. Do not discharge product unmonitored into the environment.

Ecotoxicological information: There is no data available on the product itself.

SECTION 13 — DISPOSAL CONSIDERATIONS

Handling for disposal: Empty containers may contain product residue or vapors. Do not use cutting torch on empty containers. Handle according to recommendations listed in Section 7.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and/or local regulations. Contact your local, state, provincial and/or federal environmental agency for specific rules.

RCRA: If this product, as supplied, becomes a waste, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. Under the RCRA, it is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 — TRANSPORTATION INFORMATION

US 49 CFR information:

Proper Shipping Name:	Not Regulated for Shipping		
Hazard Class - Primary:	None		
Hazard Class(es) - Subsidiary:	None		
RQ Components:	None	Marine Pollutant:	None

SECTION 15 — REGULATORY INFORMATION

US Federal Information:

TSCA information: All ingredients are listed on the TSCA inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None

SARA TITLE III:

Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present.

Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute); Delayed (Chronic); Fire Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds for extremely hazardous substances are 500 pounds or the individual chemical's threshold planning quantity (TPQ), whichever is lower; and 10,000 pounds for all other hazardous chemicals.

Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements.

US State Right to Know Laws:

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

International Information:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this SDS contains all the information required by the CPR.

Canadian CEPA information: All ingredients are present on the DSL.

SECTION 16 — OTHER INFORMATION

NFPA Rating:
0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 – Severe

Health: 1 Flammability: 1 Instability: 0 Special Hazard: None

HMIS Rating:
0 - Minimal 1 – Slight 2 - Moderate 3 - Serious 4 – Severe

Health: 1 Flammability: 1 Reactivity: 0

Legend: ACGIH: American Conference of Governmental Industrial Hygienists
CERCLA: US Comprehensive Environmental Response, Compensation, and Liability Act of 1980
NIOSH: National Institute of Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
RTECs: Registry of Toxic Effects of Chemical Substances
SARA: US Superfund Amendments & Reauthorization Act
WHMIS: Canadian Workplace Hazardous Materials Identification System
CAS: Chemical Abstract Services
CFR: US Code of Federal Regulations
DOT: US Department of Transportation
DSL: Canadian Domestic Substances List
EPA: US Environmental Protection Agency
N/Ap: not applicable
HMIS: Hazardous Materials Identification System
N/Av: not available
IARC: International Agency for Research on Cancer
NFPA: National Fire Protection Association
NTP: National Toxicology Program
PEL: Permissible Exposure Limit
RCRA: US Resource Conservation and Recovery Act
STEL: Short Term Exposure Limit
TCC: Tag Closed Cup
TLV: Threshold Limit Values
TWA: Time Weighted Average
TSCA: Toxic Substance Control Act

References:
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.
2. International Agency for Research on Cancer Monographs, searched 2007.
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2007 (Chempendium and RTECs).
4. Material Safety Data Sheet from manufacturer.
5. US EPA Title III List of Lists – January 27, 2005 version.
6. California Proposition 65 List – December 8, 2006 version.

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