



**LPS LABORATORIES**  
**MSDS**  
**MATERIAL SAFETY DATA SHEET**

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**Section 1 - Product Identification and Use**

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**Manufacturer's Name:**

LPS Laboratories

**Trade Name:**

TKX® All Purpose Penetrant, Lubricant, Protectant

**Street Address:**

4647 Hugh Howell Road

**Chemical Family:**

Petroleum Hydrocarbons

**City, State, Zip:**

Tucker, GA 30085-5052

**Part Numbers:**

02016, 02022, 02028, 02005, 02055

**Telephone Number:** 770-934-7800

**Emergency Telephone Number:** 1-800-424-9300 Chemtrec

**Outside U.S.:** (703) 527-3887

**Hazardous Materials Description and proper shipping name (49 CFR 172.101):**

Compound, Boiler, Preserving Liquid

NMFC 50093 SUB 2 BRL/BXS CL55

CONSUMER COMMODITY ORM-D

**TSCA Inventory:**

All of the ingredients are listed on the TSCA inventory.

**HMIS Labeling:**

**Health:** 1

**Flammability:** 2

**Reactivity:** 0

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**Section 2 - Hazardous Ingredients / Identity Information**

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Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Aliphatic Hydrocarbon Petroleum Oil	64742-47-8	60-70	N.E.	N.E.	100 PEL Supplier
(Severely hydrotreated)	64742-52-5	10-20	5mg/m3*	5mg/m3*	10 mg/m3* STEL
3-Methoxy-3-Methyl-1-Butanol	56539-66-3	2-3	N.E.	N.E.	None
Carbon dioxide propellant (aerosol only)	124-38-9	2-3	10,000 ppm	5,000 ppm	30,000 ppm STEL

\* Oil mist

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**Section 3 - Physical / Chemical Characteristics**

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**Boiling point (F°):** 350°F

**Vapor pressure ( mmHg) @100° F :** <2

**Vapor density (Air = 1):** 4.7

**Solubility in water:** Nil

**Specific gravity (H2O = 1):** 0.84

**Percent volatile by volume (%):** 70

**Evaporation rate (n-Butyl Acetate = 1):** .07

**Appearance and odor:** Green liquid with slight odor.

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**Section 4 - Fire and Explosion Hazard**

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**Flash point (method used):** 175°F SETA Flash

**Flammable limits (of diluent ): LEL** 1%

**UEL** 6%

**Extinguishing media:** Foam, dry chemical, carbon dioxide.

**Special fire fighting procedures:** Do not use water. Treat as combustible petroleum distillates.

N.E. = Not established

N.A. = Not applicable

**Unusual fire and explosive hazards:** Intensive heat created by fire will cause aerosols to burst.

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## Section 5 - Health Hazard Data

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**Primary route(s) of entry:** Inhalation, eyes

**Health hazard/effects of over exposure:**

**Inhalation:** Headache, dizziness, nausea and anesthetic effects.

**Eyes:** Irritation.

**Skin:** Repeated or prolonged contact may cause drying of skin.

**Ingestion:** Not a likely route of exposure. Low order of oral toxicity; however minute amount aspirated into lungs during ingestion may cause severe pulmonary injury.

**Medical conditions aggravated by exposure:** None from normal exposure.

**Chemicals listed as potential carcinogen:** NTP: No IARC: No OSHA: No

**Emergency and first aid procedures:**

**Inhalation:** Move to fresh air. Contact physician.

**Eyes:** Flush eyes with plenty of water and contact physician.

**Skin:** Wash with soap and water; apply medicated skin cream.

**Ingestion:** Contains aliphatic hydrocarbons and petroleum oil. Do not induce vomiting. Contact physician immediately.

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## Section 6 - Reactivity Data

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**Stability:** Stable **Conditions to avoid:** Avoid sparks or open flames. See handling and storage precautions.

**Incompatibility (Materials to avoid):** Strong oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon monoxide.

**Hazardous polymerization:** Will not occur.

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## Section 7 - Precautions for Safe Handling and Use

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**Steps to be taken in case material is released or spilled:** Ventilate area by opening doors and windows. Remove ignition sources. Remove leaking container and transfer remaining product to another vessel. Prevent product from going into sewers and water sources by diking or impounding. Using appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.

**Waste disposal methods:** Dispose of in accordance with local, state and federal regulations for petroleum distillates.

**RCRA Hazardous Waste No.:** N.A.

**CERCLA Reportable Quantity:** None

**SARA TITLE III Chemicals:** None

**Precautions to be taken in handling and storage:** Store aerosols below 120°F and above 32°F. Store away from ignition sources and avoid breathing vapors.

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## Section 8 - Control Measures

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**Respiratory Protection:** None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

**Ventilation:** Local exhaust is usually adequate. However, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

**Protective gloves:** Use NBR or nitrile gloves for liquid handling.

**Eye protection:** For spraying or splashing of solvent, use face shield or goggles.

**Other protective equipment:** None.

**Work/hygienic practices:** Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

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## Section 9 - Preparation Date of MSDS

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LPS Laboratories

Form #2590

LPS MSDS TKX® All Purpose Penetrant, Lubricant, Protectant

