

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **BIONIC LIFT STATION MAINTAINER™**
PRODUCT USE: Lift Station Cleaner
PRODUCT NUMBER: K-672
COMPANY: K & K Chemical
PHYSICAL ADDRESS: 1303 Industrial Drive, Royse City, Texas, 75189
MAILING ADDRESS: PO Box 1059, Royse City, Texas, 75189
COMPANY PHONE: 800-958-6921
WEB ADDRESS: KandKChemical.com
EMERGENCY PHONE: INFOTRAC (24/7), 1-800-535-5053 (USA)

SECTION 2. HAZARD(S) IDENTIFICATION

DANGER



HAZARD CATEGORIES:

Flammable Liquids: 3
Aspiration Hazard: 1
Acute Toxicity - Oral: 4
Acute Toxicity - Inhalation: 4
Specific Target Organ Toxicity (Single Exposure): 3
Skin Corrosion/Irritation: 2
Eye Damage/Irritation: 2B
Sensitization - Skin: 1
Specific Target Organ Toxicity (Repeated Exposure): 2

HAZARD STATEMENTS:

Flammable liquid and vapor.
May be fatal if swallowed and enters airways.
Harmful if swallowed.
Harmful if inhaled.
May cause respiratory irritation.
Causes skin irritation.
Causes eye irritation.
May cause an allergic skin reaction.
May cause damage to kidneys, lungs, liver, mucous membranes, upper respiratory tract, skin, central nervous system and eyes through prolonged or repeated contact.

PRECAUTIONARY STATEMENTS:

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Wear protective gloves, protective clothing, and eye or face protection.
Do not eat, drink, or smoke when using this product.
Avoid breathing fumes, mist, vapors, or spray.
Wash hands thoroughly after handling.

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SECTION 2. HAZARD(S) IDENTIFICATION (Continued)

PRECAUTIONARY STATEMENTS: (Continued)

Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth with water. Do NOT induce vomiting.

IF ON SKIN: Take off all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice or attention.

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	SYNONYMS	CAS #	WT %
Petroleum hydrocarbons	Mineral spirits	8052-41-3	71
d-Limonene	Citrus terpenes	5989-27-5	29

SECTION 4. FIRST AID MEASURES

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth with water. Do NOT induce vomiting.

IF ON SKIN: Take off all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice or attention.

IF INHALED: Call a POISON CENTER or doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

SECTION 5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: In case of fire: Use dry chemical or carbon dioxide (CO₂) to extinguish.

SPECIFIC HAZARDS: Water is not a suitable extinguishing medium. Vapors in confined spaces may form an explosive mixture with air.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear gloves, protective clothing and eye/face protection. Remove contaminated clothing.

CONTAINMENT AND CLEAN-UP: Eliminate all ignition sources. Dike spill area and prevent further leakage or spillage. Keep away from drains, surface water, ground water and soil. Soak up in an inert absorbent material. Dispose of as hazardous waste in accordance with all regulations. There are no special reporting requirements for spills of this product.

SECTION 7. HANDLING AND STORAGE

Keep away from heat, sparks and flames. Open container slowly to release pressure caused by temperature variations. Do not allow this product to come in contact with eyes. Avoid prolonged contact with skin. Use in well-ventilated areas. Wash hands with soap and water after handling. Store in original container. Keep container tightly closed. Store in a well ventilated place away from heat. Shelf life is two years.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

MATERIAL	OSHA PEL	ACGIH TLV
Petroleum hydrocarbons	500 ppm TWA	200 mg/m ³ TWA
d-Limonene	None known	None known

APPROPRIATE ENGINEERING CONTROLS: Normal ventilation is adequate. Keep away from sources of ignition.

EYE/FACE PROTECTION: Wear safety glasses or goggles

SKIN PROTECTION: Nitrile gloves are recommended.

RESPIRATORY PROTECTION: Not normally required.

GENERAL HYGIENE CONSIDERATIONS: Wash hands thoroughly after handling. Have eyewash station immediately available. Launder contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear blue liquid

ODOR: Citrus

FLASH POINT: 41.6°C (TCC)

SPECIFIC GRAVITY: 0.788

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Not reactive

CHEMICAL STABILITY: Stable

INCOMPATIBLE MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of d-limonene, which can result from improper storage and handling, are known to cause skin sensitization.

CONDITIONS TO AVOID: Keep away from heat, sparks and flames.

INCOMPATIBLE MATERIALS: None known

SECTION 11. TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: Skin absorption, eye contact, inhalation, ingestion

LISTED CARCINOGEN: No

MEDICAL CONDITION AGGRAVATED: Inhalation may cause irritation of the nose, throat and respiratory tract. May cause damage to kidneys, lungs, liver, mucous membranes, upper respiratory tract, skin, central nervous system, and eyes through prolonged or repeated contact.

SECTION 12. ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects. Avoid release to the environment.



SECTION 13. DISPOSAL CONSIDERATIONS

Prevent liquid from entering sewers, watercourses or low areas. Absorb with inert material. Consult local authorities on disposal of recovered material.

SECTION 14. TRANSPORTATION INFORMATION

D.O.T. PROPER SHIPPING NAME: UN1993, Flammable liquids, n.o.s. (Petroleum distillates, terpene hydrocarbons), 3, PGIII. Exception 173.150(f) applies. May be reclassified as a combustible liquid and shipped by ground as nonregulated in containers of 119 gal or less.

SECTION 15. REGULATORY INFORMATION

None known

SECTION 16. OTHER INFORMATION

REVISION DATE: Mar. 12, 2016

HMIS: Health = 2, Fire = 2, Reactivity = 0, Personal protection = X

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