

Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200(g). Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health
Administration (Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

SECTION I - IDENTIFICATION

Product identifier: K-Lube®
Relevant identified uses: Provides temporary lubrication to aid assembly of polyurethane components.
Supplier: Kastalon Inc. Emergency telephone number: 708-389-2210
4100 W. 124th Place Telephone for information: 708-389-2210
Alsip, IL 60803-1876 Website: www.kastalon.com

SECTION II - HAZARD(S) IDENTIFICATION

Classification of the substance or mixture: Not classified; not a dangerous mixture according to GHS (Globally Harmonized System of Classification and Labeling of Chemicals).

Label Elements

Trade name: K-Lube® Signal Word: None
Hazard statement(s): None Pictograms: None
Precautionary statement(s): IF ON SKIN: Gently wash affected areas with soap and water. Wash affected clothing before reuse. Seek medical attention if irritation develops or persists.
IF IN EYES: Flush with clean lukewarm water (low pressure) for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Seek medical attention if irritation develops or persists.
Description of any hazards not otherwise classified: K-Lube is a non-hazardous product. K-Lube is not a dangerous preparation according to 1999/45/EC. K-Lube should be used in a clean work environment. Bacterial contamination can occur by repeatedly subjecting K-Lube to dirty environments or combining used K-Lube with fresh K-Lube. Bubbling compressed air through K-Lube may cause bacterial contamination.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

Synonym(s): None Molecular weight: Not applicable to mixtures
Ingredient: Plant-derived oils CAS number: Mixture
Range: 10-20% EC number/Index number: Not classified
Oils are listed in Annex IV as exempt from REACH.

SECTION IV - FIRST-AID MEASURES

Inhalation: If discomfort develops, remove to fresh air.
Skin contact: Gently wash affected areas with soap and water. Wash affected clothing before reuse. Seek medical attention if irritation develops or persists.
Eye contact: Flush with clean lukewarm water (low pressure) for at least 15 minutes holding eyelids open. Remove contact lenses, if present and easy to do. Seek medical attention if irritation develops or persists.

SECTION IV - FIRST-AID MEASURES (CONTINUED)

Ingestion: No specific treatment is necessary since this material is unlikely to be hazardous by ingestion. Call a physician if pain or discomfort develops.

SECTION V - FIRE-FIGHTING MEASURES

Extinguishing media: Water fog, dry chemical, Unusual fire and explosion None
foam or carbon dioxide. hazards:
NFPA Rating 0-0-0

Special information: Hazardous decomposition products may be formed under fire conditions. Nature of decomposition products not known.

Recommended firefighting procedures: Do not use heavy stream of water. Firefighters subject to combustion products should use self-contained breathing apparatus. Containers exposed to flames should be cooled with water. Fire water runoff should be diverted from adjacent waterways.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Evacuate personnel. Wear suitable PPE as described in section 8.

Environmental precautions: K-Lube is biodegradable, and can be treated in sewage/wastewater treatment facilities. Do not discharge to surface waterways.

Methods and materials for containment and cleaning up: Contain spilled material with sand, earth or other spill containment. Clean up spill immediately, observing precautions in the Control Measures Section of this Safety Data Sheet.

SECTION VII - HANDLING AND STORAGE

Precautions for safe handling: Safety glasses and gloves should be worn. (See Section 8.) No special ventilation is required.

Conditions for safe storage, including any incompatibilities: Do not store containers in direct sunlight. Store in cool (36°F to 85°F), dry, area. Do not allow K-Lube to freeze. Containers should be shaken or stirred prior to dispensing product. When not in use, keep containers closed to prevent bacterial contamination.

Advice on general hygiene practices: Do not eat, drink, and/or smoke in work areas. Wash hands after use.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None

Ventilation system: Not required

Personal respirators: Not required

Skin protection: Rubber, nitrile, or latex gloves are recommended. Cotton gloves are **not** recommended.

Eye protection: Safety goggles with side shields or splash goggles. Contact lenses should not be worn.

Other protective clothing or equipment: None required

Work/hygienic practices: Do not eat, drink, and/or smoke in work areas. Wash hands after use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Milky liquid	Freezing/melting point:	ca. 32°F (0°C) for water fraction
Lower/upper explosive limits:	Not applicable	Boiling point/range:	ca. 212°F (100°C)
Odor:	Mild oily odor	Flash point:	Not applicable
Odor threshold:	No data available	Evaporation rate:	Similar to water
Vapor pressure (mm Hg):	No data available	% Volatiles by volume at 70°F (21°C)	<1% (ASTM D2369-01)
Vapor density (Air = 1):	No data available	Partition coefficient: n-octanol / water:	No data available
pH:	8.4	Auto-ignition temperature:	No data available
Relative density:	0.98 g/mL	Decomposition temperature:	No data available
Solubility in water:	Disperses	Viscosity:	ca. 150 cps

SECTION X - STABILITY AND REACTIVITY

Reactivity and chemical stability:	Stable under recommended storage conditions.		
Hazardous polymerization:	Will not occur	Conditions to avoid:	None
Incompatible materials:	Avoid extended contact with uncured paint, or copper and its alloys. Also avoid contact with polycarbonate, acrylic, and polyphenylene ether (PPE) as K-Lube may cause these plastics to craze over time.		
Hazardous decomposition or byproducts:	Decomposition through burning produces carbon dioxide, carbon monoxide		

SECTION XI - TOXICOLOGICAL INFORMATION

Inhalation:	No data available	Skin contact:	Not an irritant
Ingestion:	Non-toxic	Eye contact:	Not an irritant
Chronic exposure:	No data available	Specific target organ toxicity - single exposure (GHS)	No data available
Aggravation of pre-existing conditions:	No data available	Specific target organ toxicity - repeated exposure (GHS)	No data available
Carcinogenicity:	Not listed as a carcinogen	IARC Monographs:	No
NTP:	No	OSHA Regulated:	No
Acute toxicity:	Non-toxic LD ₅₀ > 5 g/kg (rats, oral)	IARC category:	None

SECTION XII - ECOLOGICAL INFORMATION

Bioaccumulative potential:	No data available	Mobility in soil:	No data available
Ecotoxicity:	No data available	Other adverse effects:	No data available
Persistence and degradability:	All ingredients are biodegradable.		
Results of PBT and vPvB Assessment:	According to the substances' SDSs, none are PBTs or vPvBs.		

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Not considered a hazardous material. Dispose of material according to any local, state, and federal regulations.
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SECTION XIV – TRANSPORT INFORMATION

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)	Not regulated	Air Transport ICAO-TI and IATA-DGR:	Not regulated
Maritime Transport IMDG/GGV Sea:	Not regulated	UN number:	None

SECTION XV – REGULATORY INFORMATION

USA

TCSA Status:	All ingredients are listed on the TSCA inventory		
SARA Title III, Section 302/303 Extremely Hazardous Substances:	None	SARA Title III, Section 311/312 Hazard Categories:	None
SARA Title III, Section 304 Hazardous Substances:	None	SARA Title III, Section 313 Toxic Chemical:	None

Canada

DSL:	All ingredients are listed.	WHMIS Classification	Not controlled.
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EU

European Inventory of Existing Commercial Chemical Substances (EINECS):	The components of this product are on the EINECS inventory or are exempt from inventory.		
Chemical safety assessment:	The primary substances in K-Lube are listed in Annex IV of REACH.		

SECTION XVI – OTHER INFORMATION

Date prepared: 2016-02-05

This safety data sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. It is not meant to be an all-inclusive document on worldwide hazard communication regulation. This information is believed to be accurate as of the date issued. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent exposures, property damage, or release to the environment. No warranty is expressed or implied with respect to the information herein supplied, and no responsibility for injury to the recipient or third persons, or for any damage to any property is assumed.