MATERIAL SAFETY DATASHEET

KLI-NIT FX-16 CHAIN LUBRICANT SPRAY

Section 1: Product & Company Identification

Product Name - KLI-NIT FX-16 CHAIN LUBRICANT SPRAY
Manufacturer - Aero Pack Products Pvt. Ltd.
Marketed By- Kappa Sigma Corporation
Mumbai-400012
Telephone Number - +91-22-23712345
Physical Form - Aerosol

Section 2: Composition / Information On Ingredients

Component	CAS Number	Percentage By Weight
Proprietary Blend of Lubricating Oil & Solvents	NA	60-75
Hydrocarbon Propellant	68476-85-7	40-25

Section 3: Hazards Identification

Emergency Overview
Warning: Flammable! Danger! Contents Under Pressure! May Cause Skin & Eye Irritation. Harmful If Swallowed. Keep Away from Heat, Sparks and Other Sources of Ignition.
Safety
Avoid skin contact. Wear suitable gloves.
Potential Health Effects
Eye - Direct contact can cause temporary redness & discomfort.
Skin - No significant irritation expected from a single short-term exposure.
Inhalation - No significant effects expected from a single short-term exposure.
Oral - Low ingestion hazard in normal use.
Chronic Effects - None Expected.

Section 4: First Aid Measures

First Aid Measures
Ingestion - Do not induce vomiting. Call physician immediately.
Eye - Immediately flush with ice water.
Skin - Flush immediately with plentiful of water.
Inhalation - Drink 2/3 glasses of water, preferably containing salt & sugar.
Comments - Treat symptomatically – In case of heavy breathing get medical attention.

Section 5: Fire Fighting Measures

Extinguishing Media
For small fires use dry powder (BC type) fire extinguisher. For large fires, use water spray or fog. Self-contained breathing apparatus & protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area as per your local emergency plan. Use water spray to keep fire exposed containers cool. Use shielding to protect
against bursting containers.
Protective Measures for Fire Fighters
Firefighters must wear protective gear for body, eyes and wear self-contained breathing apparatus for protection from suffocation arising due to lack of oxygen and to protect from possible hazardous decomposition products. Use water to cool fire exposed containers to prevent pressure build up and from exploding. Firefighters must wear protective gear for body, eyes.
Unusual Fire/ Explosion Hazards
Contents under pressure. Aerosol containers may burst under fire conditions. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Avoid spraying on the flame. Avoid puncturing the aerosol container.

Section 6: Accidental Release Measures

Containment Procedures
Spills from aerosols are unlikely and generally in small quantity. In case of rupture avoid breathing heavy vapors. Area should be well ventilated with fresh air. Absorbent should be used to pick up by using earth, sand or other inert material. Transfer into suitable waste containers for disposal. In case of confined areas with limited air ventilation / circulation, use proper protective wear during cleanup

Environmental Precautions
Try to prevent the material from entering drains or water body. Do not flush into drains or water bodies.
Personal Precautions
Refer to Section 8

Section 7: Handling & Storage

Handle carefully. Keep in cool, dry well-ventilated place away from sunlight & heat in temperatures below 50°C. While stocking one above other, care should be taken that the caps are not broken. Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapours or aerosols. Use with adequate ventilation. Keep away from heat, sparks and open flames. Wash thoroughly with soap and water after handling. Do not puncture or incinerate containers. Keep can away from electrical current or battery terminals. Electrical arcing can cause burn-through (puncture) which may result in flash fire, causing serious injury. Keep out of the reach of children. Storage colour code – **Red.**

Section 8: Exposure Controls / Personal Protection

Engineering Control Measures
Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits.
Eyes & Face Protection
Avoid eye contact. Wear chemical safety glasses / eye wear / goggles.
Hand Protection
Under normal circumstance, not required. Use as needed to prevent prolonged or repeated contact. Protective gloves made from nitrile, neoprene or n-butyl rubber are suitable.
Respiratory Protection
Use respirators or self-contained breathing apparatus in confined areas and for emergencies. If good ventilation is maintained, none are required.
Skin Protection
Use protective body gear in the event of prolonged or repeated exposure. Wash hands with soap and water after use and before breaks, lunch and at the end of work periods.

Section 9: Physical & Chemical Properties

Appearance	Clear Oily Liquid	**Odor**	Characteristic solvent
Color	Light Brown	**Initial Boiling Point (°C)**	+45
Specific Gravity @ 27° C (g/cm^3)	0.90 – 1.00	**Freezing Point**	ND
Flash Point, TCC (°C)	-18°C (aerosol)	**Vapor Density (air = 1)**	4.7
Vapor Pressure	<0.05 mmHg @20°C	**Decomposition Temperature**	ND
Flammability Limits - Lower % **- Upper %**	0.6 7	**Evaporation Rate (n-butyl acetate = 1)**	> 1
Solubility In Water %	Negligible	**Auto Ignition Temperature (°C)**	225
TCC = Tag Closed Cup		ND = Not determined	

Section 10: Chemical Stability & Reactivity

Stability- Stable under ordinary conditions of use & storage.
Conditions To Avoid - Keep away from heat and sources of ignition
Chemical Incompatibility - Strong oxidizing agents, alkalis and acids
Hazardous Decomposition - No Hazardous Decomposition Products. Carbon dioxide & Carbon monoxide may form when heated to decomposition.
Hazardous Polymerization - Will not occur

Section 11: Toxicological Information

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard. None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard. No specific information is available.

Section 12: Ecological Information

The product is Environmental safe and does not contain any ozone depleting substances. No specific information is available.

Section 13: Disposal Considerations

Product Disposal
This material if discarded may be hazardous waste. Empty aerosol cans thoroughly before discarding as waste. All disposal activities must meet governing, state and local regulations. Do not dump into sewers, on the ground or into water.
Packaging Disposal
Dispose of in accordance with local regulations.

Section 14: Transportation Information

Name & Description - Aerosols, Flammable
Hazardous - Class 2.1
Labeling - Flammable Gas

Section 15: Regulatory Information

Does not contain any ingredients or any listed substance as per Standard for Uniform Scheduling Of drugs & Poisons.

Section 16: Other Information

None

Disclaimer

These data are offered in good faith as typical values & not as product specifications. No warranty, either expressed or implied is hereby made. The recommended industrial hygiene & safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use & determine whether they are appropriate.