

MATERIAL SAFETY DATASHEET

KLI-NIT NF-609 -ONLINE CONTACT CLEANER SPRAY

Section 1: Product & Company Identification

Product Name	-	Online Contact Cleaner Spray
Manufacturer	-	Aero Pack Products Pvt. Ltd.
Emergency Telephone Number	-	+91-22-23712345
Physical Form	-	Aerosol

Section 2: Composition / Information On Ingredients

Component	CAS Number	Percentage By Weight
Proprietary Mixture of Solvents	NA	50 - 10
1,1,1,2-Tetrafluoroethane	811-97-2	50 - 90

Section 3: Hazards Identification

Emergency Overview

Warning: Danger. Contents Under Pressure. May Cause Skin Irritation. Harmful Or Fatal If Swallowed.

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.

Section 4: First Aid Measures

First Aid Measures

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

On large fires use dry powder (BC type) fire extinguisher. Self-contained breathing apparatus & protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

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.

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. 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	Liquid	Odor	Ethereal
Color	Clear	Initial Boiling Point (°C)	- 27
Specific Gravity (g/cm³)	1.15 – 1.25	Freezing Point (°C)	Below - 100
Vapor Pressure	12.20 bar @ 50°C	Vapor Density (air = 1)	Heavier than air
Flammability Limits	Non-Flammable	Evaporation Rate (n-butyl acetate = 1)	< 0.1
Viscosity (at 21°C), cps	0.21	Auto Ignition Temperature (°C)	770
Solubility In Water %	0.11 wt%		

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

No specific information is available. Please refer to Section 3 for available information on potential health effects.

Section 12: Ecological Information

The product is Environmental safe and does not contain any ozone depleting substances.

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, Non-Flammable

Hazardous - Class 2.2

Labeling - Non-Flammable

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.