



Material Safety Data Sheet

Nova Optical Lens Cleaner Anti-Reflective

Section I. Product and manufacturer information

Item number: NI-LC-1
Name: Optical Lens Cleaner
Manufacturer's Name: Nova Instruments
6310 SW Virginia Ave. Portland, OR. 97239
Phone: 503-246-8297
Fax: 503-246-0360

Emergency Contact: Chemtrec 1-800-424-9300

Section II. Hazardous Ingredients/Identity Information

Hazardous Components OSHA PEL ACGIH TLV Other Limits Recommended % (optional)
(Specific Chemical Identity; Common Name(s))

Isopropanol (2-Propanol) CAS#67-63-0 400ppm 400ppm (STEL 500 PPM) N/A

Acetic Acid (Vinegar Acid) CAS#64-19-7 10ppm 10ppm (STEL 15 PPM) N/A

Section III. Physical/Chemical Characteristics

Boiling Point **180 o F** Specific Gravity H₂O=1 **1.051**
Vapor Pressure (mm Hg.) **11.0** (Acetic Acid) Melting Point **NA**
Vapor Density (AIR=1) **2.1** Evaporation Rate (Butyl Acetate=1) **NA**
Solubility in Water **Yes**
Appearance and Odor **Green -infinitely soluble with characteristic odor**

Section IV. Fire and Explosion Hazard Data

Flash Point (Method Used): **78 o F (P-M)** Flammable Limits: **98.0 o F LEL 2.3%**
UEL 16.0%

Extinguishing Media: **Dry chemical, alcohol foam, CO₂ - water ineffective.**

Special Fire Fighting Procedures: **Cool exposed containers with water.**

Unusual Fire and Explosion Hazards: **Flashback along vapor trail may occur, vapor may explode in an enclosed area.**

Section V. Reactivity Data

Stability Unstable: **N/A** Conditions to Avoid : **N/A**

Stable: **X**

Incompatibility (*Materials to Avoid*) **N/A**

Hazardous Decomposition or Byproducts **N/A**

Hazardous Polymerization May Occur **NA** Conditions to Avoid :

Will Not Occur **X None**

Section VI. Health Hazard Data



FILE NO.: NI-LC-1
MSDS DATE: 01/2011

Route(s) of Entry: Inhalation? **Yes** Skin? **No** Ingestion? **Yes**

Health Hazards (Acute and Chronic): Eyes - **Flush with water for 15 minutes, then contact Physician.**

Ingestion - **Drink water or milk (DO NOT INDUCE VOMITING)**

Also irritating to nose and throat.

Carcinogenicity: **No** NTP? **No** IARC Monographs? **No** OSHA Regulated? **No**

Signs and Symptoms of Exposure: **Dizziness or dry, cracked skin.**

Medical Conditions Generally Aggravated by Exposure: **None**

Emergency and First Aid Procedures: **Flush eyes with water for 15 minutes, drink milk or water if ingested. Contact Physician.**

Section VII. Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: **Use absorbent - cloth or paper.**

Waste Disposal Method: **Hazardous waste.**

Precautions to be Taken When Handling and Storing: **Store in cool place, avoid open flame or ignition source.**

Other Precautions: **NA**

Section VIII. Control Measures

Respiratory Protection (*Specify Type*) **NA**

Ventilation: Local Exhaust **Yes** Special: **None**

Mechanical (General) **NA** Other: **NA**

Protective Gloves (specify Type): **No** Eye Protection: **Splash-proof goggles**

Other Protective Clothing or Equipment: **None**

Work/Hygienic Practices: **None**

Shipping Information:

NON -REGULATED

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