



Title: Lens Cleaner Material Data Safety Sheet

Document No.: MSDS-00503

Revision: 00

Section 1. Identity

Product Name: **Lens Cleaner**

Cat#	Description	SDL Prod ID
741	Lens Cleaner 6.5ml x 6/pkg	00503
740	Microscope Care Kit Immersion Oil, Lens Cleaner, Oil Immersion Solvent x 6 bottles each + Lens Paper pkg x 6	00502

Manufacturer/Supplier: Scientific Device Laboratory, 411 Jarvis Avenue, Des Plaines, IL 60018
Phone 847-803-9495

Emergency Information: In case of a chemical emergency, spill, fire, exposure or accident contact Scientific Device Laboratory at (847) 803-9495 or CHEMTREC at 908-281-0522

Section 2. Hazardous Ingredients/Identity Information

Components: The components are acetic acid, isopropyl alcohol and a 1% phenol red solution.

Section 3. Physical/Chemical Characteristics

Boiling Point: 165°F
Flash Point: 118°F
Specific Gravity: 0.8
Vapor Pressure (mmHg): 33mmHg @ 20°C
Vapor Density (AIR=1): 2.1
Melting Point:-127°F
Evaporation Rate: vd>1
Solubility in H₂O: soluble
Appearance: clear
Odor Threshold: 50ppm
Consists of alcohol and acetic acid

Section 4. Fire and Explosion Hazard Data

Flash point: 53°F
Flammable limits: 12.7% @ 93°C
LEL/UEL: N/A
Extinguishing medium: water
Auto ignition temp: 750°F
Special Fire Fighting Procedures: dry chemical and carbon dioxide, water spray
Unusual Fire and Explosion Hazards: when exposed to heat or flame

Section 5. Reactivity Data

Stability: stable
Condition to avoid: swallowing
Reagent incompatibility: not known



Title: Lens Cleaner Material Data Safety Sheet

Document No.: MSDS-00503

Revision: 00

Hazardous decomposition or By-products: none known
Hazardous polymerization: occurs with oxidizers
Conditions to avoid: freezing or mixing with organic solvents: phosgene, nitroform, chromium trioxide, hydrogen peroxide, oxygen, oleum, metal alkyls

Section 6. Health Hazard Data

Routes of entry: ingestion
Inhalation: 20,000ppm toxic Skin: none
Ingestion: GI symptoms, headaches and dizziness
Toxicity: 20ppm
Health Hazards: none known in final concentration
Carcinogenicity: none
Signs and symptoms of exposure: respiratory distress leading to failure
Medical conditions aggravated by exposure: conjunctivitis
Emergency First Aid Procedures: skin contact: wash hands thoroughly
Respiratory: Wash with water. Induce vomiting

Section 7. Precautions for Safe Handling and Use

Steps to be taken if material is spilled: clean with cloth - Discard in flame retardant receptacle
Waste Disposal Method: no special treatment, can be discarded down drain barring any local restrictions for alcohol
Precautions to be taken in Handling and Storage: store at room temperature
Other Precautions: none

Section 8. Control Measures

Respiratory Protection: none
Ventilation: respiratory mask suggested
Protective Gloves: chemical resistant gloves
Protective Clothing: Chemical resistant
Work/Hygiene Practices: good general microbiology techniques
Eye Protection: chemical safety goggles or full face shield

Section 9. Transportation

This product is not regulated by DOT in this amount

Scientific Device Laboratory (SDL) will not be responsible for damages of any kind resulting from the use or reliance upon such information. No representations, or warranties either express or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers. All statements made hereinto are provided in good faith and is believed to be correct as of the date hereof. However SDL makes no representation to the comprehensiveness of such information. It is expected that individuals receiving the information will exercise their independent judgment in determining it appropriate use.

Revision History

CR NUMBER	REVISION
0908-001	00

approved September 2008