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# PRODUCT NAME: OPTICAL 10L FLUID

### 1. Product and Company Identification

Optical 10L Fluid Product name:

Synonyms: None

Item Numbers: E427-10-100

### **European Contact Details**

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General enquiries

UK: +44 (0)1293 528844 France: +(33) 1 47 98 24 01 Germany: +(49) 6420-82-410 Italy: +(39) 0248-4471

### **US Contact Details**

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General enquiries +(1) 978-658-5410

Toll Free: 1-800-848-9800

24 h Emergency telephone number:

Chemtrec: 1-800-424-9300

### Hazards Identification

### **EMERGENCY OVERVIEW**

Odourless, colourless, non-flammable liquid. This material when properly handled according to good working and hygienic practices is not dangerous to human health. May cause eye, skin and respiratory irritation

For short and long term exposure effects see Section 11 Toxicological data.

Eye Effects: May cause irritation.

Skin Effects: Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Ingestion/Oral Effects: May cause inflammation of the mucous membranes.

Inhalation Effects: May cause irritation.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

NFPA Hazard codes		HMIS Hazard codes		Rating System	
Health	0	Health	0	0 = No Hazard	
Flammability	1	Flammability	1	1 = Slight Hazard	
Instability	1	Reactivity	1	2 = Moderate Hazard	
		•		3 = Serious Hazard	
				4 = Severe Hazard	



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### 3. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Slightly acidic cleaning liquid	Not applicable	Not applicable	Not applicable	R36/37/38

<sup>\*</sup>Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

#### 4. First Aid Measures

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, seek medical

attention.

Skin: Remove contaminated clothing. Wash with soap and water.

Ingestion/Oral: Seek medical attention immediately.

Inhalation: Remove to fresh air. If breathing problems occur, a qualified individual should administer

oxygen or artificial respiration as indicated. Seek immediate medical attention for anyone

who has symptoms of respiratory distress.

Other Information: None.

### 5. Fire Fighting Measures

Extinguishing Media: Carbon dioxide, foam, dry powder or fine water spray.

Fire and Explosion Hazard: Fire may liberate toxic gases.

**Special Protective Equipment** 

for Fire Fighters:

Fire fighters should wear a self-contained breathing apparatus (SCBA) which

meets appropriate standards operated in positive pressure mode, and full turnout gear, with additional chemical protective clothing adequate for thermal

decomposition products.

For Flammability Properties - see Section 9.

### 6. Accidental Release Measures

Wear appropriate personal protective equipment (See Section 8).

Keep out of drains and watercourses. Wipe surfaces with rags or cellulose waste. Contain and control larger spills with non-combustible absorbent materials such as sand, earth, vermiculite or diatomaceous earth in drums for waste disposal.



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### 7. Handling and Storage

Keep containers tightly closed. Use in a well-ventilated place. Wear appropriate personal Handling:

protective equipment.

Storage: Store in its original container at a temperature between 5 °C and 40 °C/41 °F and 104 °F.

Appropriate packaging: polyethylene container.

### 8. Exposure Controls/Personal Protection

### **Exposure Limits:**

Ingredient	ACGIH - TLV -	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Not applicable	Not applicable	Not applicable	Not applicable

#### **Personal Protection:**

**Engineering Measures:** General ventilation is required.

**Respiratory Protection:** Avoid breathing vapour or spray. In case of insufficient ventilation, wear

suitable respiratory equipment.

Hand/Skin Protection: Wear suitable solvent-resistant gloves. Wear suitable protective clothing where

there is the possibility of splashing.

Wear goggles/safety glasses where there is the possibility of splashing. Eye/Face Protection:

Practice good workplace hygiene. Do not eat or smoke when handling. Wash **Hygiene Measures:** 

> hands after handling and before eating. Any clothing that does not provide chemical protection should be changed promptly following splashes, spills or

other contamination.

Other/General Protection: None.

## 9. Physical and Chemical Properties

Appearance and Odour	Colourless, odourless liquid	Boiling point	No data available	°C/°F
pH (as supplied)	5.5 (at 25 °C/77 °F)	Freezing Point	No data available	°C/°F
Solubility in Water	100%	Auto Ignition	No data available	°C/°F
Volatile Content by Volume	No data available	Flash Point	No data available	°C/°F
Specific Gravity	1.275			
Vapour Pressure (mbar)	No data available	Vapour Pressure (Torr)	No data available	



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## 10. Stability and Reactivity

Stability: Stable.

Material/Conditions to Avoid: None known.

Hazardous Decomposition: Toxic gases may be liberated if the fluid is heated to very high temperatures.

Hazardous Polymerisation: Will not occur.

### 11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 2 Hazards Identification.

#### Animal data:

LD50 value: No data available.

LC50 value: No data available.

### Carcinogenicity:

No data available.

## 12. Ecological Information

No data available.

### 13. Disposal Considerations

Do not pour into drains or sewers.

### 14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Hazard Class	Not applicable	Not applicable	Not applicable
Identification Number	Not applicable	Not applicable	Not applicable
Shipping Label	Not applicable	Not applicable	Not applicable



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### 15. Regulatory Information

### **European Regulatory Information**

This product has been classified in accordance with EU Regulation No 1272/2008 (as amended) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No.

Risk Phrases: R36/37/38 - Irritating to eyes, respiratory system and skin.

Safety Phrases : S2 - Keep out of reach of children.

\$24/25 - Avoid contact with skin and eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and

seek medical advice.

Symbols: Xi - Irritating.

### **United States Regulatory Information**

All materials contained in this product are listed on the U.S. Toxic Substances Control Act (TSCA).

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

### Canadian Regulatory Information

WHMIS Classification: D2B.

All ingredients in this product are included in the Canadian DSL.



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### 16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Sources of information for this data sheet:

• NGL Cleaning Technology Optical 10 L Safety Data Sheet, Version No 2 (26/05/2009), Revision: No 1 (19/01/2009).

### Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; ANSI - American National Standards Institute; Canadian TDG - Canadian Transportation of Dangerous Goods; CAS - Chemical Abstracts Service; Chemtrec - Chemical Transportation Emergency Center (US); DSL - Domestic Substances List; EH40 (UK) - HSE Guidance Note EH40 Occupational exposure limits; EPCRA - Emergency Planning and Community Right-to-Know Act; HMIS - Hazardous Material Information Service; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OECD - Office of Environmental Compliance and Documentation; OSHA - Occupational Safety and Health Administration, US department of Labour; PEL - Permissible exposure limit; SARA (Title III) - Superfund Amendments and Reauthorization Act; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self-Contained Breathing Apparatus; TLV - threshold limit value; TSCA - Toxic Substances Control Act Public Law 94-469; US DOT - US Department of Transportation; WHMIS - Workplace Hazardous Materials Information System.

#### **Revisions:**

Aug 2010 - Data Sheet updated to reflect the latest regulatory and supplier safety information.

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