



Visibly Clear

Device Anti-Fog & Cleaner

Colour: Clear

Scent: Unscented

Available Sizes:

60 mL Travel Sprayer (case of 10) (05-FOGG-060)

Purpose:

RADAR™ cleans and prevents fog build up on optical surfaces while minimizing the impact on the Environment, People and Equipment.

Suitable for:

Cleaning and protecting all optical surfaces such as mirrors, loops and other glass devices.

Applied Cleaning Concepts:

RADAR™ contains biodegradable surfactants for cleaning. It uses food grade polymers to create an anti-fog barrier.

The solution is non-ionic and will not streak.

Quality Commitment:

Our vision of cleaning holistically links the patient/client safety with the safety of professional staff. Our chemistry is based on materials of pharma-grade (USP EP BP NF) origin. Quality Ingredients include biodegradable surfactants and polymers with USP grain alcohol and high purity water.

OECD 301D Tests conclude biodegradability (28 days).

Instructions for Use:

Spray over entire surface of mirror, loop or other glass devices. Wait 5 - 10 sec. then wipe clean with a LeCLOTH™ over surface.

This process functions in both warm or cold environments.

Proper application will result in streak-free visibility and a long lasting protection.

Precautions:

USE FULL STRENGTH – Do not dilute. RTU (Ready To Use Formulation)

Do not use on surfaces that undergo rapid temperature changes. (Example: Exam Lights)

Contains 8% Ethanol, there are some plastics which may not be compatible.

Helpful Tips:

To ensure maximum results make sure the surface is clean of any debris before application.

See our website for specific details: www.micrylium.com/products





1. IDENTIFICATION									
Product Name		Radar			Manufacturer		Micrylium Laboratories Inc.		
Registration		CAN	Class I		Address		5000M Dufferin Street, Toronto, Canada, M3H 5T5 www.micrylium.com		
		EU CE BAG	Class I						
Indication		Optical Medical Device Cleaner			Phone		416-667-7040		
Emergency Phone #		CHEMTREC			Fax		416-667-0071		1-800-424-9300
1-800-424-9300					CANUTEC		1-613-996-6666		
2. HAZARD IDENTIFICATION									
Symbol Pictogram					Signal Word		Irritant		
					Symbol		Exclamation mark		
Classification		Not Applicable							
Health Hazard		No Serious Health Hazards				Environmental Hazards		Biodegradeable	
Precautionary & Hazard Statements		P102: Keep out of reach of children. P301: IF SWALLOWED: Drink large quantities of water or milk. P305: IF IN EYES: Flush eyes with large quantities of water.				H302: Harmful if swallowed. H317: May cause an allergic skin reaction. H320: Causes eye irritation.			
3. COMPOSITION									
Chemical			CAS #		LD-50 (Oral, mg/kg)		Concentration (%)		
Ethanol			64-17-5		7,060 (Rat)		12.5%		
4. FIRST AID MEASURES									
Inhalation		If breathing is difficult, remove individual to fresh air.			Ingestion		Drink large quantities of milk or water to dilute.		
Skin Contact		No adverse effects.			Eye Contact		Flush with plenty of water.		
Most Important Symptoms and Effects (Acute and Delayed)									
May cause mild reversible irritation if there is eye contact or is inhaled.									
Indication of any Immediate Medical Attention and Special Treatment Needed									
Not Applicable.									
5. FIREFIGHTING MEASURES									
Non-Flammable.									
6. ACCIDENTAL RELEASE									
Use all means to prevent spillage.									
7. HANDLING & STORAGE									
Store in a cool, dry, well ventilated location. Keep away from heat, sparks and flames. DO NOT mix with bleach or peroxides. Storage and Transport: 5°- 30°C									
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION									
No specific measures required.									
9. PHYSICAL AND CHEMICAL PROPERTIES									
Physical State	Colour	Odour	Solidification point	Boiling point	Flash Point	Density g/ml@ 25°C	pH	Kinematic Viscosity@23°C	
Transparent, Liquid	Light Green	Apple	-5°C	105°C	N/A	0.99	6.5	12 mm²/s	
10. STABILITY AND REACTIVITY									
Stable under normal conditions. Incompatibility: Strong oxidants, acid chlorides, silver salts Decomposition: Products: CO ₂ , CO									
11. TOXICOLOGICAL DATA									
Acute Dermal Toxicity		LD ₅₀ >5000 mg/kg. Not found to be dermal sensitizer				Acute Oral		N/A	
Ocular Irritation		N/A				Acute Inhalation Toxicity		N/A	
Reproductive Hazards		Ingestion/inhalation can be harmful. (TDLo 300mg/Kg Ethanol)				Carcinogenicity		Ingestion of Ethanol IARC Group 1.	
Tests Performed by Product Safety Labs, Dayton, NJ USA									
12. ECOLOGICAL INFORMATION									
Surfactants are readily biodegradable in soil and water. Persistence unlikely based on available data.									
Ethanol		EC50 (72h) = 275 mg/l (Chlorella vulgaris)		Fathead minnow (Pimephales promelas) LC50 = 14200 Mg/L/96h		Photobacterium Phosphoreum: EC50 = 34634 Mg/L/30 min Photobacterium Phosphoreum: EC50 = 35470 Mg/L/5 min		EC50 = 9268 mg/L/48h EC50 = 10800 mg/L/24h	
13. DISPOSAL CONSIDERATIONS									
Domestic.									
14. TRANSPORT INFORMATION									
Not regulated									
N/A	Land			Sea			Air (IATA)		
	N/A			N/A			N/A		
	N/A			N/A			N/A		
	N/A			N/A			N/A		
15. REGULATORY INFORMATION									
TSCA – No reporting required.					CERCLA – No hazardous pollutants or ozone depletion.				
16. OTHER INFORMATION									
The information and recommendations contained herein are based on information believed to be correct. It is offered in good faith, without guarantee. Micrylium Laboratories Inc. make no warranty expressed or implied.									
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