



MSDS061

Anti-Fog Lens Cleaner

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

LABEL IDENTIFIER: Anti-Fog Lens Cleaner

PRODUCT IDENTIFIER: P/N 13016 Fogpruf™ Solution, 4 oz. Spray Bottle

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY
P.O. Box 439
Pittsburgh, PA 15230
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

Vendor Information

A Material Safety Data Sheet as furnished by Hilco for MSA Anti-Fog Lens Cleaner is attached (8 Pages).

Hilco MSDS REVISION DATE: 3/4/2009

Other Information

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using or storing this product.



MATERIAL SAFETY DATA SHEET

PRODUCT: MSA Lens Cleaning Liquid with Alcohol

Issue Date: 4 March 2009

Revision Date:

Revision Number:

NFPA 	HMIS <table border="1"><tr><td>Health Hazard</td><td style="text-align: center;">2</td></tr><tr><td>Fire Hazard</td><td style="text-align: center;">1</td></tr><tr><td>Reactivity</td><td style="text-align: center;">0</td></tr><tr><td> </td><td> </td></tr></table>	Health Hazard	2	Fire Hazard	1	Reactivity	0			PPE 	Transport Symbol
Health Hazard	2										
Fire Hazard	1										
Reactivity	0										

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MSA Lens Cleaning Liquid with Alcohol

Product Number(s): 35-MSA

Recommended Use: Lens cleaner

Supplier Information:

Hilco
33 West Bacon Street, Plainville, Massachusetts, 02762 USA
Phone: 1-508-699-4406
Fax: 1-508-699-4579
Contact:
Contact Phone:
Emergency Phone: Call INFOTRAK - 1-800-535-5053

2. HAZARDS IDENTIFICATION

Potential Health Effects

Principal Routes of Exposure

Inhalation. Skin contact. Eye Contact.

Acute Toxicity

Eyes

Contact may cause irritation.

Skin

May cause irritation.

Inhalation

Avoid breathing vapors or mists. May cause irritation of respiratory tract. May cause drowsiness or dizziness.

Ingestion

May be harmful if swallowed.

Chronic Effects

No known effects based on information supplied.

Aggravated Medical Conditions

Central nervous system. Preexisting eye disorders. Blood disorders. Kidney disorders. Liver disorders. Overexposure may cause female and male reproductive disorder(s). Skin disorders.

Interactions w/ Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

Environmental Hazards

See section 12

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3. INGREDIENTS

Chemical Name	CAS No.	% by Weight
Water	773-18-5	60 - 85
Isopropyl Alcohol	67-63-0	10 - 30
Supplier Trade Secret	Proprietary	5-10
Supplier Trade Secret	Proprietary	<0.1
Sodium Bicarbonate	144-55-8	<0.1
Anti-Fog	56-81-5	<1
Anti-Stat	68391-01-5	<1

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of clean water, also under eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash with soap and water. If irritation persists, or allergic reaction occurs, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration
Ingestion	DO NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician immediately.
Notes to Physicians	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties	Combustible material.
Flash Point	No information available
Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Uniform Fire Code	- Combustible Liquid III-B - Other health hazard: Target Organ Toxin -- Liquid
Hazardous Byproducts of Combustion	Carbon oxides
Explosion Data	
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Yes
Protective Equipment	Wear self contained breathing apparatus pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.
Special Precautions	
NFPA	Health Hazard: 2 Flammability: 1 Stability: 0 Physical & Chemical Hazards:

6. ACCIDENTAL RELEASE & SPILL MEASURES

Personal Precautions	Ensure adequate ventilation. Avoid contact with skin and eyes. Remove all sources of ignition
Containment Methods	Prevent further leakage or spillage if safe to do so.

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Clean-up Methods

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal bunder, sawdust). Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes and clothing. Keep out of reach of children. Keep away from open flame and other sources of ignition.

Storage

Keep container tightly closed in a cool dry place. Keep in properly labeled containers. Keep away from open flame and other sources of ignition.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol	+ 400 ppm STEL TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 1225 mg/m ³ (vacated) STEL: 500 ppm	IDLH: 2000 ppm 10% LEL TWA: 400 ppm TWA: 980 mg/m ³ STEL: 1225 mg/m ³ STEL: 500 ppm
Supplier Trade Secret	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ Skin	IDLH: 700 ppm

Engineering Measures

Showers. Eyewash Stations. Ventilation Systems

Personal Protective Equipment

- Eye & Face Protection**
- Skin & Body Protection**
- Respiratory Protection**

Tight fitting safety goggles
Lightweight protective clothing. Protective gloves.
If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance**Clear, pale blue liquid.
- Odor**Mild alcohol scent
- Odor Threshold**no information available
- Physical State**Liquid
- pH**7
- Flash Point**no information available
- Auto-ignition Temperature**no information available
- Decomposition Temperature**no information available
- Boiling Point**no information available
- Melting Point**no information available
- Flammability Limits in Air**no information available
- Explosion Limits**no information available
- Water Solubility**soluble in water

