



MSDS023

Anti-Fog / Anti-Static Lens Cleaner

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

LABEL IDENTIFIER: Anti-Fog / Anti-Static Lens Cleaner

PRODUCT IDENTIFIER: P/N 10024117 Solution, Lens Cleaning, 8 oz.
P/N 10024116 Solution, Lens Cleaning, 16 oz.
P/N 10022086 Lens Cleaning Station, Small
P/N 10022085 Lens Cleaning Station, Large
P/N 12650 FOGPRUF Solution, 1 Quart 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 PRS and Associates, Inc. for Anti-Fog / Anti-Static Lens Cleaner is attached (5 Pages).

PRS Associates, Inc. MSDS REVISION DATE: 11/30/00

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

**PRS and Associates, Inc.
1135 State Route 222
Cortland, NY 13046**

**Phone # 1 - 607 - 756 - 8922
Fax # 1 - 607 - 756 - 2147**

Date: November 30, 2000

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SECTION I: PRODUCT AND MANUFACTURER / DISTRIBUTOR INFORMATION:

**Manufacturer: PRS and Associates, Inc.
1135 State Route 222
Cortland, NY 13046**

Product Name: Anti - Fog / Anti - Static Lens Cleaner

Product Numbers: 10024117; 10024116; 10022087; 10022086; 10022085; 13016

Emergency Information: CHEMTREC 1 - 800 - 424 - 9300

SECTION II: COMPOSITION / INFORMATION ON COMPONENTS:

NOTE : Product is a mixture of the following % by Wgt / Wgt:

**Water.....75.00 - 90.00 (CAS # 7732 - 18 - 8; EINECS # 231 - 791 - 2)
Isopropyl Alcohol.....8.50 - 20.00 (CAS # 67 - 63 - 0; EINECS # 200 - 661 - 7)
Sodium Laureth Sulfate.....1.50 - 5.00 (CAS # 9004 - 82 - 4; EINECS # 221 - 418 - 0)
Anti - Stat..... < than 1.00 (CAS # 42131 - 42 - 0)**

Isopropyl Alcohol is a listed OSHA hazardous substance.

All ingredients are TSCA, DSL and EINECS listed.

SECTION III: HAZARDS INFORMATION:

Emergency Overview: This product is a clear, nonviscous, odorless liquid. Its toxicological properties have not been fully investigated and in that regard, as with any chemical substance, all typical and necessary precautions noted in this MSDS are to be taken.

Skin Contact: Prolonged contact with skin may cause skin irritation.

Eye Contact: Contact with eyes may cause eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: Specific information has not been developed for this blended mixture.

Long Term Health Effects: Not determined

SECTION IV: FIRST AID MEASURES:

Skin: As with most chemicals, wash immediately with soap and water. If irritation develops or persists, get immediate medical attention. Remove contaminated clothing and wash before reusing.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes; hold eyelids apart during washing. Get immediate medical attention if irritation or other symptoms develop or persists.

Swallowing: Get immediate medical attention. Do not drink water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Inhalation: If exposed to vapors, remove subject to fresh air and obtain immediate medical attention if irritation or other adverse symptoms develop.

SECTION V: FIREFIGHTING MEASURES:

Flash Point.....98. 5 Deg. F; (37 Deg C) Method: ASTM D - 93; Closed Cup

Lower Explosive Point.....Not applicable

Upper Explosive Point.....Not applicable

Auto - Ignition Temperature.....Not applicable

Extinguishing Media.....Under any fire situation, evacuate area and fight fire from a safe distance. Wear self - contained breathing apparatus - pressure demand (MESA / NIOSH approved or equivalent) and full protection gear.

Special Firefighting.....Use water spray to cool fire - exposed containers and structures. Use water spray to disperse vapors; reignition is always a potential. Use self - contained breathing apparatus as described above.

Unusual Fire and Explosion Hazards.....Toxic fumes may be emitted in these situations.

Sensitivity to Explosion by Mechanical Impact.....Not applicable

Sensitivity to Explosion by Static Discharge.....Not applicable

Conditions of Flammability.....Not determined

NOTE: IF A FIRE SITUATION DOES OCCUR ALWAYS CONTACT THE LOCAL FIRE DEPARTMENT !!!

SECTION VI: ACCIDENTAL RELEASE MEASURES:

General.....As with any chemical, this product should be prevented from contaminating soil or from sewer and drainage systems and bodies of water. Isolate spill area. Keep unnecessary and unprotected personnel from entering area. Always utilize protective body equipment. Do not activate any potential source of ignition until the immediate spill area has been determined to be free from fire and / or explosion potential.

Small or Large Spill: Absorb spill with inert material, then place in applicable chemical waste container. Clean up spills immediately, observing all precautions in Section VIII. Retain all contaminated soilage for removal and applicable treatment.

SECTION VII: HANDLING AND STORAGE:

Handling: This product, as with any chemical substance(s), should be handled with caution. Protective measures in Section VIII should be followed.

Storage: Store in cool, dry and well ventilated area. Keep all containers securely closed when not in use. NOTE: Static ignition discharge may result from handling and use. It is recommended that containers and equipment be electrically bonded and grounded.

SECTION VIII: EXPOSURE CONTROLS -- PERSONAL PROTECTION:

Avoid contact with eyes. Always use safety glasses. Use a face shield as needed.

Avoid contact with skin. Wear chemical resistant gloves and chemical resistant clothing, including chemical resistant sleevelets, overalls, aprons, or boots as needed to minimize skin contact. Always wash thoroughly after handling.

Exposure Limits.....STEL & TWA: Not determined

SECTION IX: PHYSICAL AND CHEMICAL CHARACTERISTICS:

Appearance.....Clear liquid
Odor.....No characteristic odor
Odor Threshold.....Not determined
Melting Point.....Not applicable
Boiling Point.....88. 4 Deg C.
Bulk Density.....Not applicable
Specific Gravity..... 0. 986
Vapor Pressure (relative to air).....Not determined
pH..... 7. 50
Solubility in Water.....Soluble
Solubility in Ethanol.....Soluble
Octanol / Water Partition Coefficient.....Not determined
Flash Point..... 98 Deg. F (37 Deg. C); Method: ASTM D - 93; Closed Cup
Explosive Properties..... Not determined
Oxidizing Properties.....None
Viscosity.....Not determined; visual fluidity is equivalent to water
Evaporation Rate.....Not determined

SECTION X: STABILITY AND REACTIVITY:

Stability.....Stable at room temperatures

Strong Oxidizer..... No

Incompatibilities..... None known

Conditions to Avoid.....Temperatures in excess of ambient for extended periods.

Hazardous Decomposition Products.....Not determined

SECTION XI: TOXICOLOGICAL INFORMATION:

A) Specific data not determined on the blended mixture, however product's components are cited in recognized compendial literature references

Dermal Irritation.....Not determined

Eye Irritation.....Not determined

Oral Toxicity.....Not determined

Inhalation.....Not determined

B) Classification as per EEC Directive 67 / 648 (Annexes I, II, III and IV):

Risk Phrases = R 21 / 22: Harmful in contact with skin and if swallowed
R 36 / 38: Irritating to eyes and skin

Safety Phrases = S 24 / 25: Avoid contact with skin and eyes.

S 36 / 37 / 39: Wear suitable protective clothing, gloves and eye / face protection.

SECTION XII: ECOLOGICAL INFORMATION:

Specific data not determined on the blended mixture, however the individual components are cited in literature references. Their respective assessments do not indicate areas of concern.

SECTION XIII: DISPOSAL INFORMATION:

Waste Disposal...Dispose of in accordance with all applicable federal, state and local regulations.

Container Disposal.....Dispose of in accordance with all applicable federal, state and local regulations.

Continued: MSDS: Anti - Fog / Anti - Static Lens Cleaner
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SECTION XIV: TRANSPORT INFORMATION

DOT: As per 49 CFR 173.150(e)(2) this product is not subject to the requirements of this subchapter because it contains not less than 50 % water.

SECTION XV: REGULATORY INFORMATION:

Components are listed on TSCA, DSL, EINECS, MITI, KICS

Product does not contain any components subject to California's SDWA (Proposition 65).

SECTION XVI: OTHER INFORMATION:

HMIS Hazard Rating.... Health = 1; Fire = 1; Reactivity = 0

NFPA Hazard Rating....Health = 1; Fire = 1; Reactivity = 0

(The ratings above are the preparer's assessment based upon the available data.)

Canadian WHMIS: Product contains Isopropanol in excess of the WHMIS Ingredient Disclosure List of 1.0 %.

NOTE: THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF PRS AND ASSOCIATES, INC. THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN. PRS AND ASSOCIATES, INC. ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THE DATA HEREIN.

DATE PREPARED / REVISION # 5 11/30/00 DATE ISSUED 11/30/00