

DIAMOND M Anti-fog/Anti-static Lens Cleaner

Safety Data Sheet

According to Regulation OSHA (29CFR, 1910.1200)

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Version: 1.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product form : Mixture
Product name : DIAMOND M Anti-fog/Anti-static Lens Cleaner, Clear
Product code : 1LC600DM, 1LC1200DM 1WK100DXDM DM-SGLCT, DM-SGLCSS, DM-SGLCSL
Synonyms : Wilkins K-Lens-M
Product group : Consumer use

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Use of the substance/mixture : Cleaner
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Mallory Safety & Supply
2135 NW 21st Ave
Portland, OR 97209

Tel: 503-238-3800

1.4. Emergency telephone number

Emergency number : 800-268-9017 - Poison Information Center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation OSHA (29CFR, 1910.1200)

Health Hazards : H303+H313+H333+H320 May be harmful if swallowed, comes in contact with skin or if inhaled.
May cause minor eye irritation

Physical Hazards :

Other Hazards :

Full text of P- and H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation OSHA (29CFR, 1910.1200)

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: H320 - Causes eye irritation

Precautionary statements (CLP)

: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation OSHA (29CFR, 1910.1200)
Isopropyl alcohol	(CAS No.) 67-63-0	15	Combust. Liq. 2, H227 Eye Irrit. 2, H320
Sodium lauryl sulfate	(CAS No.) 151-21-3	2.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H316 Eye Irrit. 2, H320

Full text of P-, H- phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.
First-aid measures after ingestion	: Do not induce vomiting. Seek medical attention if a large amount is swallowed.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Causes eye irritation.
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Symptoms/injuries after inhalation	: Overexposure may be irritating to the respiratory system. In high concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination.
Symptoms/injuries after skin contact	: May cause mild skin irritation.
Symptoms/injuries after eye contact	: Causes eye irritation. Liquid and vapors may cause excess blinking and tear production.
Symptoms/injuries after ingestion	: If a large quantity has been ingested : Headache. Nausea. Vomiting. Abdominal pain.
Chronic symptoms	: Repeated or prolonged skin contact may cause dermatitis.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Powder, alcohol-resistant foam, water spray, carbon dioxide (CO ₂).
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid. Under conditions of fire this material may produce: Carbon dioxide (CO ₂). Carbon monoxide.
Explosion hazard	: Product is not explosive.
Reactivity	: Stable at ambient temperature and under normal conditions of use. Do not heat above 80 °C (176 °F).

5.3. Advice for firefighters

Firefighting instructions	: Keep upwind. Do not breathe fumes from fires or vapours from decomposition. Vapours may cause drowsiness and dizziness. Evacuate unnecessary personnel. On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray.
Protection during firefighting	: Use normal individual fire protective equipment. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear eye protection.
Emergency procedures	: Eliminate ignition sources. Stop leak if safe to do so. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Evacuate unnecessary personnel. Ventilate area.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material, then place in suitable container. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. For large or bulk quantities, after absorption with inert material, collect spillage by sweeping up spilled material and place in a labeled, sealed container for proper disposal. Use only non-sparking tools. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Handling large quantities of product: Proper grounding procedures to avoid static electricity should be followed. Keep away from heat and open flame.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands thoroughly after handling. Read label before use.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from direct sunlight or other heat sources. Protect from freezing.
- Incompatible materials : Strong oxidizers.
- Storage temperature : < 40 °C (< 104 °F)

7.3. Specific end use(s)

Cleaner

SECTION 8: Exposure controls/personal protection

8.1. Exposure Limits

Mixture has no listed exposure limits.

8.2. Appropriate engineering controls

Good mechanical ventilation may be adequate for maintaining airborne concentrations below established exposure limits for large uncontrolled releases. If exposure limits are exceeded and inhaled: use a NIOSH approved respirator.

8.3. Individual protection measures and personal protective equipment

- General Hygiene : Practice good industrial hygiene. Wash hands before breaks and at the end of the workday. Keep product away from foodstuffs. Wash and launder all contaminated clothing before reuse.
- Hand protection : Not required for normal conditions of use.
- Eye protection : Not required for normal conditions of use.
- Skin and body protection : Not required for normal conditions of use.
- Respiratory protection : Not required for normal conditions of use. An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.
- Environmental exposure controls : Ensure adequate ventilation, especially in confined areas.

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Consumer exposure controls : Not required for normal conditions of use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear
Colour	: Clear
Odour	: Slight alcoholic
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -6 °C (21 °F)
Freezing point	: No data available
Boiling point	: 93 °C (200 °F)
Flash point	: 82 °C (180 °F)
Self ignition temperature	: 399 °C (750 °F) (Isopropanol)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 20 mm Hg (at 20 °C / 68 °F)
Relative vapour density at 20 °C	: 1
Relative density	: 0.98
Solubility	: Water: Miscible
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: None known.
Oxidising properties	: None known.
Explosive limits	: 2.5 - 12 vol % (Isopropanol)

9.2. Other information

VOC content : 10 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use. Do not heat above 80 °C (176 °F).

10.2. Chemical stability

Stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat. Open flame.

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10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

Under conditions of fire this material may produce: Carbon monoxide. Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rat	12800 mg/kg
LD50 dermal rabbit	12870 mg/kg
LC50 inhalation rat (mg/l)	72.6 mg/l (Exposure time: 4 h)
Sodium lauryl sulfate (151-21-3)	
LD50 oral rat	1288 mg/kg
LD50 dermal rabbit	580 mg/kg
LC50 inhalation rat (mg/l)	> 3900 mg/m ³ (Exposure time: 1 h)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Isopropyl alcohol (67-63-0)	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	> 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
Sodium lauryl sulfate (151-21-3)	
LC50 fishes 1	8 - 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	53 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

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Sodium lauryl sulfate (151-21-3)

LC50 fish 2	15 - 18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	30 - 100 mg/l (Exposure time: 96 h - Species: Desmodemus subspicatus)

12.2. Persistence and degradability

Wilkins Anti-fog/Anti-static	
Persistence and degradability	Product is biodegradable.

12.3. Bioaccumulative potential

Wilkins Anti-fog/Anti-static	
Bioaccumulative potential	Not expected to bioaccumulate.

Isopropyl alcohol (67-63-0)

Log Pow	0.05 (at 25 °C)
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Sodium lauryl sulfate (151-21-3)

BCF fish 1	(will not bioconcentrate)
Log Pow	1.6

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Additional information	: Empty containers may be recycled after cleaning.

SECTION 14: Transport information

14.1. UN number

No dangerous good in sense of transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

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14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport

No additional information available

SECTION 15: Regulatory information

15.1. United States Federal Regulations

SARA 302 components : No ingredients are subject to reporting

SARA 313 components : Isopropyl Alcohol (CAS: 67-63-0)

15.1.1. Specific State Regulations

Massachusetts Right to Know : Isopropyl Alcohol (CAS: 67-63-0)

New Jersey Right to Know : Isopropyl Alcohol (CAS: 67-63-0)

Pennsylvania Right to Know : Isopropyl Alcohol (CAS: 67-63-0)

California Prop 65 components : This product does not contain any chemicals known to the State of California to cause Cancer, birth defects, or any other reproductive harm.

California ARB classification : Anti-Static Product, Meets California BOV requirements

VOC content : 10%

SECTION 16: Other information

Full text of H- + P- Phrases

H227	Combustable liquid
H303	Harmful if swallowed
H313	Causes skin irritation
H320	Causes serious eye irritation
H333	May cause respiratory irritation
H336	May cause drowsiness or dizziness
P305	If in eyes: rinse cautiously with water for several minutes
P351	Remove contact lenses if present and easy to do
P338	Continue rinsing for several minutes
P337+P313	If eye irritation persists: Get medical advice/attention

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.