

1 Identification

Product Name: MSA Lens Cleaner Aerosol

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Cleaning lenses.

Details of Manufacturer or Importer:

MSA Australia Pty Ltd
11 Columbia Way,
Baulkham Hills NSW 2153

Phone Number: 1300 728 627

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



Flame

Aerosol 2 H223-H229 Flammable aerosol. Pressurised container: May burst if heated.

Signal Word Warning

Hazard Statements

H223-H229 Flammable aerosol. Pressurised container: May burst if heated.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 68475-59-2	Alkanes, C3-4	 Flammable Gases 1, H220;  Press. Gas C, H280	<10%
CAS: 64-17-5	Ethanol	 Flammable Liquids 2, H225;  Eye Irrit. 2A, H319	<10%

Additional information:

This product also contains <5% non-hazardous surfactant, CAS No. not supplied.

Note: The following applies to Alkanes, C3-4 (CAS No. 6475-59-2) - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1 % w/w 1,3-butadiene (CAS No 106-99-0).

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

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Skin Contact:

In case of skin contact wash affected areas. Seek medical attention if symptoms occur. Remove contaminated clothing and launder before reuse.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation. Intentional misuse by concentrating and inhaling contents of aerosol containers may be harmful or fatal.

Skin Contact: May cause frostbite if sprayed on skin.

Eye Contact: May cause eye irritation if sprayed directly into eyes. May cause frostbite.

Ingestion: May cause mild irritation to mucous membranes.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog or fine spray is the preferred medium for large fires.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and smoke.

Flammable aerosol. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Pressurised container: may burst if heated. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Wash area after spills.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

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Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from extreme temperatures. Avoid temperatures above 30°C. Do not weld, cut, or drill full or empty containers.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 64-17-5 Ethanol**WES TWA: 1880 mg/m³, 1000 ppm**CAS: 106-97-8 Butane**WES TWA: 1900 mg/m³, 800 ppm**CAS: 74-98-6 Propane**

WES Asphyxiant

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Impervious PVC or rubber gloves are recommended. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids are recommended when using this product. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:**Form:**

Liquid (Aerosol)

Colour:

Clear, colourless

Odour:

Characteristic

Odour Threshold:

No information available

pH-Value:

No information available

Melting point/freezing point:

~0 °C

Initial Boiling Point/Boiling Range:

~100 °C (at 100 kPa)

Flash Point:

No information available

Flammability:

Flammable aerosol.

Auto-ignition Temperature:

No information available

Decomposition Temperature:

No information available

Explosion Limits:**Lower:**

No information available

Upper:

No information available

Vapour Pressure at 20 °C:

23.7 hPa (water vapour pressure)

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Relative Density:	~1.0
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Completely soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.**Conditions to Avoid:** Extreme temperatures. Avoid temperatures above 30°C.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:** Oxides of carbon, smoke.

11 Toxicological Information

Toxicity:**LD50/LC50 Values:****CAS: 64-17-5 Ethanol**

Oral	LD50	7060 mg/kg (rat)
Inhalation	LC50/4 h	20000 mg/l (rat)

Acute Health Effects**Inhalation:**

May cause mild respiratory irritation. Intentional misuse by concentrating and inhaling contents of aerosol containers may be harmful or fatal.

Skin: May cause frostbite if sprayed on skin.**Eye:** May cause eye irritation if sprayed directly into eyes. May cause frostbite.**Ingestion:** May cause mild irritation to mucous membranes.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** May cause frostbite if sprayed onto skin or into eyes for prolonged period.**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

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12 Ecological Information

Ecotoxicity:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Aquatic toxicity:**CAS: 64-17-5 Ethanol**

EC50/48 h	12.34 mg/l (daphnia magna)
	>100 mg/l (selenastrum capricornutum)
LC50/48 h	>100 mg/l (golden orfe)

Persistence and Degradability: This product is biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected to occur.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number	UN1950
ADG, IMDG, IATA	
Proper Shipping Name	AEROSOLS
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	2.1
Packing Group:	Not applicable
Marine pollutant:	No
EMS Number:	F-D,S-U
Special Provisions:	63, 190, 277, 327, 344, 381
Excepted quantities (EQ):	E0
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P207, LP200
Packagings & IBCs - Special Packing Provisions:	PP87, L2

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All components are on the inventory, or in compliance with the inventory.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

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16 Other Information

Date of Preparation or Last Revision: 24.05.2022**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Flammable Gases 1: Flammable gases – Category 1
Aerosol 2: Aerosols – Category 2
Press. Gas C: Gases under pressure – Compressed gas
Flammable Liquids 2: Flammable liquids – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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