

SAFETY DATA SHEET**SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification**Product identifier****Product name** SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)**Container size** 200ml**Recommended use of the chemical and restrictions on use****Application** Disinfectant.**Details of the supplier of the safety data sheet****Supplier****Emergency telephone number****Emergency telephone****2. Hazard(s) identification****Classification of the substance or mixture****Physical hazards** Aerosol 1 - H222, H229 Press. Gas, Compressed - H280**Health hazards** Eye Irrit. 2A - H319**Environmental hazards** Not Classified**Label elements****Hazard symbols****Signal word**

Danger

Hazard statementsH229 Pressurized container: may burst if heated.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.**Precautionary statements**P102 Keep out of reach of children.
P210 Keep away from heat, sparks, open flames and 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
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
P501 Dispose of contents/ container in accordance with national regulations.

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Ethanol	30-60%
CAS number: 64-17-5	

Classification

Flam. Liq. 2 - H225

Eye Irrit. 2A - H319

Didecyldimethylammonium chloride

<1%

CAS number: 7173-51-5

M factor (Acute) = 10

Classification

Acute Tox. 3 - H301

Skin Corr. 1B - H314

Aquatic Acute 1 - H400

Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin Contact	Use suitable lotion to moisturize skin. Get medical attention if irritation persists after washing.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation	Vapors may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause nausea, headache, dizziness and intoxication. If large quantities are involved: Central nervous system depression. Stomach pain.
Skin contact	May cause skin irritation/eczema. Repeated exposure may cause skin dryness or cracking.
Eye contact	Causes serious eye damage.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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5. Fire-fighting measures

Extinguishing media

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide. Cool containers exposed to flames with water until well after the fire is out.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Flammability Class Class 2.1: Flammable gases.

Specific hazards Vapors are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. May explode when heated or when exposed to flames or sparks. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous combustion products Oxides of carbon.

Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapors. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

For non-emergency personnel For the greatest protection, clothing should include anti-static overalls, boots and gloves.

For emergency responders For the greatest protection, clothing should include anti-static overalls, boots and gloves.

Environmental precautions

Environmental precautions Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. Contain spillage with sand, earth or other suitable non-combustible material. Collect and dispose of spillage as indicated in Section 13. Provide adequate ventilation. Wash thoroughly after dealing with a spillage.

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions Provide adequate general and local exhaust ventilation.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Keep container in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class Flammable Gas

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Personal protection

Wear protective clothing.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with OSHA 1910.133. Provide eyewash station.

Hand protection

Nitrile rubber. >360 min The selected gloves should have a breakthrough time of at least 2 hours. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated.

Hygiene measures

Good personal hygiene procedures should be implemented. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved.
Short term Gas filter, type AX.

Thermal hazards

Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Liquid.

Color

Colorless.

Odor

Alcoholic.

Initial boiling point and range

78°C ethanol

Flash point

A flash point method is not available for aerosols, but the major hazardous component, the propellant (Dimethyl ether) has a flash point of <-41°C with flammability limits of 3.3% vol. upper and 26.2% vol. lower.

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Relative density	Liquid base: 0.91 @ 20°C
Viscosity	Liquid base: <50 cP @ 20°C
Volatile organic compound	This product contains a maximum VOC content of 80 %.

10. Stability and reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Heat, sparks, flames.
Materials to avoid	Oxidizing agents. Acids. Alkalis.
Hazardous decomposition products	Carbon monoxide (CO).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Summary Based on available data the classification criteria are not met.

Acute toxicity - dermal

Summary Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Summary Based on available data the classification criteria are not met.

Skin corrosion/irritation

Summary Based on available data the classification criteria are not met.

Serious eye damage/irritation

Summary Causes serious eye irritation.

Respiratory sensitization

Summary Based on available data the classification criteria are not met.

Skin sensitization

Summary Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary Based on available data the classification criteria are not met.

Carcinogenicity

Summary Based on available data the classification criteria are not met.

Reproductive toxicity

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary Based on available data the classification criteria are not met.

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

Aspiration hazard

Summary Based on available data the classification criteria are not met.

Toxicological information on ingredients.

Isopropanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,045.0

Species Rat

Notes (oral LD₅₀) 5840 mg/kg, Oral, Rat

ATE oral (mg/kg) 5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,800.0

Species Rabbit

Notes (dermal LD₅₀) >2000 mg/kg, Dermal, Rabbit

ATE dermal (mg/kg) 12,800.0

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitization

Respiratory sensitization Based on available data the classification criteria are not met.

Skin sensitization

Skin sensitization Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

12. Ecological information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.

Isopropanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 48 hours: >100 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >100 mg/l, Scenedesmus subspicatus

Persistence and degradability

Persistence and degradability The product is readily biodegradable.

Ecological information on ingredients.

Isopropanol

Persistence and degradability The product is readily biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential No data available.

Ecological information on ingredients.

Isopropanol

Bio-Accumulative Potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 0.05

Mobility in soil

Mobility No data available.

Ecological information on ingredients.

Isopropanol

Mobility Mobile. Soluble in water.

Surface tension 22.7 mN/m

Other adverse effects

Other adverse effects None known.

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

13. Disposal considerations

Waste treatment methods

General information

Ensure containers are empty before discarding (explosion risk). Must not be disposed of together with household waste.

Disposal methods

Do not puncture or incinerate, even when empty. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Waste class

Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 10 (Containing hazardous residues), Empty Aerosol: 15 01 04 (No hazardous residues).

14. Transport information

UN Number

UN No. (TDG) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (DOT) 1950

UN proper shipping name

Proper shipping name (TDG) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (DOT) AEROSOLS

Transport hazard class(es)

TDG class 2.1

TDG label(s) 2.1

IMDG Class 2.1

ICAO class/division 2.1

Transport labels



Packing group

Packing group (International) Not available.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

IMDG Code segregation group SG69

EmS F-D, S-U

SA7101 Air Con Fogger Sanibomb Aerosol (50:50 DME)

Transport in bulk according to Not applicable.
Annex II of MARPOL 73/78
and the IBC Code

15. Regulatory information**16. Other information**

Issued by	Technical Department
Revision date	6/25/2020
Revision	2
Supersedes date	6/10/2020
SDS No.	22211
Hazard statements in full	H225 Highly flammable liquid and vapor. H229 Pressurized container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

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