



Section 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name: Adfoam Gun Cleaner - Clean/500ml

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

Recommended Use(s): Cleaner

Details of the supplier of the safety data sheet

Manufacturer: Adfast
2685 Diab
Ville Saint-Laurent Quebec H4S 1E7
Canada

Email: servicemtl@adfastcorp.com

Url: <http://www.adfastcorp.com>

Telephone:

Emergency telephone number

Emergency Contact: **Emergency Spills (CANUTEC):** 613-996-6666
Emergency Spills (CHEMTREC): 800-424-9300

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification for mixture:

Specific target organ toxicity - repeated exposure - Category 2
Specific target organ toxicity - single exposure - Category 3 (Respiratory)
Specific target organ toxicity - single exposure - Category 2
Reproductive toxicity - Category 2
Serious eye irritation - Category 2A
Aerosols - Category 1

Label elements

Pictograms:



Signal Words:

Danger

Hazard Statements:

Extremely flammable aerosol.
Pressurized container: may burst if heated
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of damaging fertility or the unborn child Route(s) of exposure: Unknown. Specific effect(s): Unknown.
May cause damage to organs. Route(s) of exposure: Inhalation. Affected organ(s): Heart.

May cause damage to organs through prolonged or repeated exposure Route(s) of exposure: Inhalation. Affected organ(s): Respiratory tract, central nervous system.

Precautionary Statements:

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Keep container tightly closed.
Do not pierce or burn, even after use.
Do not breathe dust, gas, vapors, fume, mist, spray.
Avoid breathing dust, fume, vapors, gas, mist, spray.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.

Response

Call a doctor.
If exposed or concerned: Call a POISON CENTER.
Call a POISON CENTER, doctor if you feel unwell.
If exposed or concerned: Get medical attention / advice.
If eye irritation persists: Get medical attention / advice.
Get medical attention / advice if you feel unwell.
If eye irritation persists: Get medical advice/attention.
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes.

Storage

Store in a well-ventilated place.
Store locked up.
Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

Dispose of contents accordance with local/regional/national/international regulations.

Other hazards

No available data for this section.

Section 3. Composition/information on ingredients

Substances

No available data for this section.

Mixtures

Identifiers	Ingredients	Percentage	Classification
67-64-1	Acetone	50% - 75%	
74-98-6	Propane	10% - 20%	
75-28-5	Isobutane	10% - 20%	

Section 4. First-Aid Measures

Description of First Aid Measures

In the event of splashes or contact with eyes

Continue rinsing. Immediately flush with clean, low-pressure water for several minutes. Remove the contact lenses if worn and easy to do that. Seek medical attention if irritation, redness, or any other symptom develops.

In the event of splashes or contact with skin

Seek medical advice / attention. Wash contaminated areas thoroughly with soft nonabrasive soap and cold water.

In the event of ingestion

If the exposed person is drowsy or unconscious, do not give anything by mouth. In case of ingestion of large quantities immediately take the exposed person to hospital.

In the event of inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing.

Most important symptoms and effects, both acute and delayed

No available data for this section.

Indication of any immediate medical attention and special treatment needed

General advice: View the symptoms and effects in section 11.

If exposed or concerned, get medical advice / attention.

Section 5. Firefighting Measures

Extinguishing media

Suitable Extinguishing Media

The suggested appropriate media: Carbon dioxide. Dry chemical. Foam. Water spray.

Unsuitable Extinguishing Media

No available data for this section.

Special hazards arising from the substance or mixture

Specific Hazards Arising from Combustion of Products

Indirect fire hazard: Containers can build up pressure if exposed to heat and/or fire.

Fire / decomposition hazards: A mixture of flammable gases and vapors. Explosive compounds. Gas / vapor spreads at floor level. Gas, vapors, or dust can spread along the ground and collect in low or confined areas. Vapor may travel considerable distance to source of ignition and flash back. Irritative vapors. Toxic vapors. Toxic gases.

Combustion Products

Carbon dioxide (CO₂). Carbon monoxide (CO).

Advice for firefighters

Protective Measures for Fire-Fighting

Wear full protective clothing. Wear self-contained breathing apparatus.

Special Protective Actions for Fire-Fighters

Move containers from the fire area if it is possible to do so without risk to personnel.

Other Information for Fire Fighters

Flammability: Gas, vapors, or dust are explosive in presence of open flames and sparks.

Massive fires: Stay away from massive fires such as tanks in fire. Use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from the area and let the fire burn. Stay upwind and keep out of low areas. Evacuate if fire gets out of control or containers are directly exposed to fire. 500 meters (1/3 mile). Consider downwind evacuation if material is leaking.

Large fires: For fires involving tanks or car / trailer loads, fight the fire from maximum distance or use unmanned hose holders or monitor nozzles. In the case of large fires, evacuate residents who are downwind of fire. Large fires should rather be fought with unmanned extinguishing equipment.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid direct contact with the substance (solid / liquid / vapor). Evacuate the people from the area.

Environmental precautions

Dispose of the material in accordance with government regulations. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Avoid heat, flames, sparks and other sources of ignition. Do not spray on an open flame or other ignition sources. Use non-sparking tools and equipment.

Methods and material for containment and cleaning up

Collect liquid with EXPLOSION PROOF pumps. Ensure cleanup is conducted by trained personnel only. Stop leak if safe to do so.

Reference to other sections

No available data for this section.

Section 7. Handling and Storage

Precautions for safe handling

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not eat, drink or smoke during handling. Do not handle until all safety precautions have been read and understood. Ensure there is sufficient ventilation of the area. Wear protective goggles to prevent contact with eyes.

Conditions for safe storage, including any incompatibilities

Conditions for Safe Storage

Storage temperature: Do not exceed 50 degrees C/122 degrees F.

Keep away from: Direct sunlight.

A maximum prescribed storage period from the date of manufacture is two years. Keep container tightly closed. Store only in well-ventilated areas.

Suitable Packaging

No available data for this section.

Incompatible Materials

No available data for this section.

Specific end use(s)

No available data for this section.

Section 8. Exposure Controls / Personal Protection

Control parameters

Control Parameters / Limits for Product

No available data for this section.

Control Parameters / Limits for Component

Acetone

Mexico	TWA 1000 ppm LMPE-PPT. TWA 2400 mg/m ³ , LMPE-PPT. STEL 1260 ppm LMPE-CT. STEL 3000 mg/m ³ LMPE-CT.
ACGIH	TWA 500 ppm. STEL 750 ppm.
OSHA	TWA 1000 ppm. TWA 2400 mg/m ³ .
NIOSH	TWA 250 ppm. TWA 590 mg/m ³ .
Europe	TWA 500 ppm. TWA 1210 mg/m ³ .

Propane

ACGIH	TWA 1000 ppm.
OSHA	TWA 1000 ppm. TWA 1800 mg/m ³ .
NIOSH	TWA 1000 ppm. TWA 1800 mg/m ³ . IDLH 2100 ppm, (10% LEL).

Isobutane

ACGIH	STEL 1000 ppm.
NIOSH	TWA 800 ppm. TWA 1900 mg/m ³ .

Exposure controls

Engineering Measures

Provide adequate general and local exhaust ventilation. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Take action to prevent static discharges. Ensure compliance with applicable exposure limits.

Respiratory Protection

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

Eye/Face Protection

Wear splash resistant safety goggles with a face shield. Ensure eye bath is at hand. Ensure a quick drench shower in the immediate work area.

Skin and Body Protection

Wear appropriate chemical resistant clothing.

Hand Protection

Wear appropriate chemical resistant gloves.

Hygiene Measures

No available data for this section.

Environmental exposure controls

No available data for this section.

Section 9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical State	Aerosol
Appearance	Colorless
Odor	Acetone
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash Point	Not available
Evaporation rate	Not available
Flammability	Not available
Flammability limit	1.5 to 12.5 %vol
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Insoluble
Solubility in other solvents	Soluble Ethanol
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available
Relative density w/r/t other substance	Not available

Other Information

No available data for this section.

Section 10. Chemical Stability & Reactivity Information

Reactivity

Chemical stability: This product is stable under ambient condition.

Chemical Stability

No available data for this section.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Keep away from: Fire. Heat. Open flame. Sparks. Static electricity. Electrical equipment.

Incompatible Materials

Avoid contact or storage with: Strong acids. bases. combustible materials. halogens. oxidizing materials.

Hazardous Decomposition Products

No available data for this section.

Section 11. Toxicological Information

Information on toxicological effects

Toxicological Information for Product

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure: heart. Respiratory Tract. central nervous system.

Specific target organ toxicity - repeated exposure: blood.

Immediate effects: Serious Eye irritation. May cause damage to organs. May cause respiratory irritation. May cause drowsiness or dizziness.

Sensitization: respiratory disorders. heart disorders. central nervous system disorders. blood system disorders. These can all be aggravated by exposure.

Toxicological Information for Component

Acetone

CL 50 (Inhalation) 50100 mg/m³(8h), Rat.

Propane

CL 50 (Inhalation) 658 mg/l(4h), Rat.

Isobutane

CL 50 (Inhalation) 658 mg/l(4h), Rat.

Irritation/Corrosion Information for Product

Eye contact: Causes serious eye irritation.

Inhalation: May cause respiratory irritation.

Irritation/Corrosion Information for Component

No available data for this section.

Section 12. Ecological Information

Toxicity

Ecotoxicity Values for Product

No available data for this section.

Ecotoxicity Values for Component

Acetone

LC 50 Fish: 4.74-6.33 ml/l(96h), *Oncorhynchus mykiss*. 6210-8210 mg/l(96h) Static, *Pimephales promelas*. 8300 mg/l(96h), *Lepomis macrochirus* 8300 mg/L.

EC 50 Invertebrate: 10294-17704 mg/l(48h) Static, *Daphnia magna*. 12600-12700 mg/l(48h), *Daphnia magna*, IUCLID.

Persistence and degradability

No available data for this section.

Bioaccumulative potential**Bioaccumulative Potential for Product**

No available data for this section.

Bioaccumulative Potential for Component

No available data for this section.

Mobility in soil

No available data for this section.

Results of PBT and vPvB assessment

No available data for this section.

Other adverse effects

No available data for this section.

Section 13. Disposal Considerations**Waste treatment methods****Waste Disposal Regulation(s) / Operation**

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment.

Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
UN number	1950	No available data for this section.	No available data for this section.	No available data for this section.
UN proper shipping name	AEROSOLS	No available data for this section.	No available data for this section.	No available data for this section.
Transport hazard class(es)	2.1	No available data for this section.	No available data for this section.	No available data for this section.
Packing group	No available data for this section.			
Environmental hazards	No available data for this section.			
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	No available data for this section.			

Section 15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Safety, Health and Environmental Regulations for Product**

SARA 311/312: Acute Health: Yes. Chronic Health: Yes. Fire: Yes. Pressure: Yes. Reactivity: No.

Safety, Health and Environmental Regulations for Component

Acetone

SAFETY DATA SHEET

5000 lb final RA.
2270 kg final RQ.
reportable over 1%.

CERCLA:**Canadian IDL:****State inventories:**

CA.

A.

MN.

NJ.

PA.

International inventory Isits:

US.

CA (DSL).

EU (EIN).

AU.

PH.

JP (ENCS).

KR (KECI/KECL).

CN.

NZ.

MX.

Propane

State inventories:

MA.

N.

NJ.

PA.

International inventory Isits:

US.

EU (EIN).

AU.

PH.

JP (ENCS).

KR (KECI/KECL).

CN.

NZ.

MX.

Isobutane

State inventories:

MA.

NJ.

PA.

International inventory Isits:

US.

CA (DSL).

EU (EIN).

AU.

PH.

JP (ENCS).

KR (KECI/KECL).

CN.

NZ.

MX.

Chemical safety assessment

No available data for this section.

Section 16. Other Information

Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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Glossary

ACGIH: American Conference of Governmental Industrial Hygienists.

ADR: European Road Transport.

AU: Australia.

BOD: Biochemical Oxygen Demand.

C: Celsius.

CA: Canada.

CAS: Chemical Abstracts Service.

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act.

CLP: Classification, Labelling, and Packaging.

CN: China.

CPR: Controlled Products Regulations.

DFG: Deutsche Forschungsgemeinschaft.

DOT: Department of Transportation.

DSD: Dangerous Substance Directive.

DSL: Domestic Substances List.

EEC: European Economic Community.

EINECS: European Inventory of Existing Commercial Chemical Substances.

EPA: Environmental Protection Agency.

EU: European Union.

F: Fahrenheit.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IDL: Ingredient Disclosure List.

IDLH: Immediately Dangerous to Life and Health.

IMDG: International Maritime Dangerous Goods.

JP: Japan.

KR: Korea.

Kow: Octanol/water partition coefficient.

LEL: Lower Explosive Limit.

LLV: Level Limit Value.

LOLI: List Of Lists™. - ChemADVISOR's Regulatory Database.

MAK: Maximum Concentration Value in the Workplace.

MEL: Maximum Exposure Limits.

NIOSH: National Institute for Occupational Safety and Health.

NJTSR: New Jersey Trade Secret Registry.

NTP: National Toxicology Program.

NZ: New Zealand.

OSHA: Occupational Safety and Health Administration.

PH: Philippines.

RCRA: Resource Conservation and Recovery Act.

REACH: Registration, Evaluation, Authorisation, and restriction of Chemicals.

RID: European Rail Transport.

SARA: Superfund Amendments and Reauthorization Act.

STEL: Short-term Exposure Limit.

TDG: Transportation of Dangerous Goods.

TSCA: Toxic Substances Control Act.

TWA: Time Weighted Average.

UEL: Upper Explosive Limit.

US: United States.