

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name GUN AND FOAM CLEANER
Pure substance/mixture Mixture

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

Recommended use Cleaning agent.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company Name
Bostik Industries Limited
Newtown, Swords
Co. Dublin Ireland
Tel: +353 (1) 8624900
Fax: +353 (1) 8402186

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone No information available

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
	Category 3 Respiratory irritation, Narcotic effects.
Aerosols	Category 1 - (H222)
Aerosols	Category 1 - (H229)

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains : Acetone



Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Signal Word
DANGER

Hazard statements

H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness

Special provisions concerning the labelling of certain mixtures

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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
P261 - Avoid breathing vapours/spray
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER or doctor if you feel unwell
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other Hazards

General Hazards

No information available.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Acetone	200-662-2	67-64-1	40 - <80	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)		01-2119471330-49 -XXXX
Isobutane	200-857-2	75-28-5	5 - <10	Flam. Gas 1 (H220) Press. Gas		01-2119485395-27 -XXXX
Carbon dioxide	204-696-9	124-38-9	5 - <10	Press. Gas (H280)		Exempt
Propane	200-827-9	74-98-6	1 - <3	Flam. Gas 1 (H220) Press. Gas		01-2119486944-21 -XXXX

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

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice	Remove and isolate contaminated clothing and shoes. In case of accident or being unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult. If symptoms persist, call a doctor.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a doctor.
Ingestion	Do NOT induce vomiting. Call a doctor.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

Symptoms	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Drowsiness. Dizziness.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Keep victim warm and quiet. Keep victim under observation.
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Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO₂. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

Unsuitable Extinguishing Media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Some may burn but none ignite readily. Ruptured cylinders may rocket.

5.3. Advice for firefighters

Caution! Container under pressure. Heating causes rise in pressure with risk of bursting. Cool container with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Remove all possible sources of ignition in the surrounding area. Ensure adequate ventilation, especially in confined areas.

Ventilate the area.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Use water spray to reduce vapours or divert vapour cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

Methods for Containment If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

Methods for cleaning up Do not direct water at spill or source of leak.

6.4. Reference to other sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Recommended storage temperature. 10 - 35 °C. Observe local regulations / instructions for storage of pressurized containers.

7.3. Specific end use(s)

OTHER INFORMATION

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical Name	European Union
Acetone 67-64-1	TWA: 500 ppm TWA: 1210 mg/m ³
Carbon dioxide 124-38-9	TWA: 5000 ppm TWA: 9000 mg/m ³

Derived No Effect Level (DNEL) No information available

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Tight sealing safety goggles. Face protection shield.

Hand Protection

Gloves made of plastic or rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and Body Protection

Antistatic footwear. Wear fire/flamm resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance Aerosol
Colour Colourless
Odour Solvent
Odour Threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling Point	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	Miscible in water	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits		
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	

Dynamic Viscosity No information available

9.2. Other information

Softening Point No information available
Molecular Weight No information available
Solvent content (%) No information available
Solid content (%) No information available
Density 0.7813 g/cm³

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Bulk Density No data available
VOC content (%) 751.3 g/L

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

None under normal use conditions.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide (CO₂).

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.
Sensitisation	No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	Not applicable.
Serious eye damage/eye irritation	Irritating to eyes.
Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Reproductive Toxicity No information available.
STOT - Single Exposure No information available.
STOT - Repeated Exposure No information available.
Target Organ Effects Central nervous system, Central Vascular System (CVS), Eyes, Respiratory system, Skin.
Aspiration hazard No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 8,923.00 mg/kg
ATEmix (dermal) 24,308.00 mg/kg
ATEmix (inhalation-dust/mist) 154.20 mg/l

Component Information

Toxicity Data No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone 67-64-1	= 5800 mg/kg (Rat)	>15800 mg/Kg (rat)	= 79 mg/l(Rat) 4 h

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

Data obtained on the component(s) include

Chemical Name	Algae/aquatic plants	Fish	Crustacea	M-Factor
Acetone 67-64-1	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Improper disposal or reuse of this container may be dangerous and illegal.
European Waste Catalogue	16 05 04* gases in pressure containers (including halons) containing dangerous substances
OTHER INFORMATION	Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

ADR

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.2
Hazard Labels	2.2
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, 2.2, (E)
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	327, 625, 344, 190
Classification Code	5A
Tunnel restriction code	(E)
Limited Quantity (LQ)	1 L

IMDG

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, 2
14.5 Marine Pollutant	Np
14.6 Special Provisions	63,190, 277, 327, 344, 959
Limited Quantity (LQ)	See SP277
EmS-No	F-D, S-U
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols
14.3 Hazard Class	2.2
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, 2.2
14.5 Environmental Hazard	Not applicable
Classification Code	5A
14.6 Special Provisions	None
Limited Quantity (LQ)	1 L

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

ICAO (air)

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

IATA

14.1 UN/ID no	UN1950
14.2 Proper Shipping Name	Aerosols, flammable
14.3 Hazard Class	2.1
14.4 Packing Group	Not regulated
Description	UN1950, Aerosols, flammable, 2.1
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	A145, A167, A802
Limited Quantity (LQ)	30 kg G
ERG Code	10L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P3a - FLAMMABLE AEROSOLS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Safety Data Sheet

GUN AND FOAM CLEANER
Supersedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Persistent Organic Pollutants
Not applicable

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number
Acetone 67-64-1	RG 84

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R10), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 3

Water hazard class (WGK) WGK 1

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value * Skin designation
PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT (RE): Specific target organ toxicity - Repeated exposure
STOT (SE): Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 28-Aug-2017

Indication of changes

Safety Data Sheet

GUN AND FOAM CLEANER
Supercedes Date: 06-Apr-2016

Revision Date 28-Aug-2017
Version 2

Revision Note SDS sections updated: 2, 3, 15.

Training Advice No information available

Additional information No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet