

Safety Data Sheet

according to Regulation (EC) Nr. 1907/2006 (REACH)

Print date: 12.04.2017

Revision number 3.1

Version date: 12.04.2017

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

1.1 Product identifier

Product name: **Eberspray Boarmate**

Product codes: IA-612 (80ml.) IA-612A (250ml.)

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

Identified uses of the substance or mixture
Aerosol

1.3 Details of the supplier of the safety data sheet

INERBO S.L.

Pol. Ind. Torrefarrera C/Ponent nº3

25123 Torrefarrera – Lleida (SPAIN)

www.inerbo.com

Tel.: (+34) 973 750 313

E-Mail: inerbo@inerbo.com

Responsible Department:

INERBO S.L.

Tel.: (+34) 973 750 313

E-Mail: inerbo@inerbo.com

1.4 Emergency telephone number:

Tel. 91 562 04 20 (Servicio Médico de Información Toxicológica)

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr. 1272/2008

Aerosol: Aerosol 1 (H222, H229)

2.2 Label elements

Label elements according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)

Hazard pictograms



Flame (GHS 02)

Signal word

Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



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Precautionary statements

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 Do not pierce or burn, even after use.

P403 Store in a well-ventilated place.

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

2.3 Other hazards

· The mixture does not meet the criteria for PBT or vPvB.

3 Composition/information on ingredients

Chemical Characterization: Mixtures**Hazardous ingredients:**

CAS: 68476-85-7	Hydrocarbon Propellant (Liquefied petroleum gas)	60-100 %
EC-Nr. 270-704-2	Entz. Gas 1 - H220	
Index-Nr. 649-202-00-6		
CAS: 67-63-0	Propan-2-ol (Isopropanol)	1-5 %
EC-Nr. 200-661-7	Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336	
Index-Nr. 603-117-00-0		
Reg.nr. 01-2119457558-25		

Additional information:

The wording of the listed risk phrases and hazard statements refer to section 16.

4 First aid measures

4.1 Description of first aid measures**· General information:**

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

· Inhalation:

Move to fresh air. If symptoms persist, call a physician.

· Skin contact:

Remove immediately any soiled or splashed garment. Rinse abundantly in the water and in the soap. Consult a doctor in case of persistent pain.

· Eye contact:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

· Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

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4.2 Most important symptoms and effects, both acute and delayed

Inhalation of spray mist is irritating to the upper airways. Vapours may cause drowsiness and dizziness. May cause discomfort if swallowed. Prolonged skin contact may cause redness, irritation and dry skin. Irritation of eyes and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

5.1 Extinguishing media

Suitable methods of extinction - In the event of a fire, use: sprayed water or water mist, foam, multipurpose ABC powder, BC powder, carbon dioxide (CO₂)

Unsuitable methods of extinction - In the event of a fire, do not use: water jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Pressurised container: May burst if heated.

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus.

Further information

Cool endangered containers with water spray jet.

Dispose fire residues and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected people away.

Keep people away and stay on the upwind side.

Keep ignition sources away. No smoking.

Consult the safety measures listed under headings 7 and 8.

6.2 Environmental precautions:

Avoid unnecessary release to the environment. Prevent any material from entering drains or waterways. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up:

Collect spillage. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ensure adequate ventilation.

6.4 Reference to other sections

Information regarding safe handling see chapter 7.

Information regarding personal protection see chapter 8.

Information regarding disposal see chapter 13.

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7 Handling and storage

7.1 Precautions for safe handling

Ensure that there is adequate ventilation, especially in confined areas.

Open and handle container with care.

Fire prevention:

Keep ignition sources away - Do not smoke. Take precautionary measures against static discharges. Pressurized container. Protect from sunlight and temperatures above 50 ° C (eg by Electric lights). Do not open by force or burn even after use. Do not spray in flames or on hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements for storage rooms and vessels:

Store in a cool place.

Official regulations on storing pressurized containers must be observed.

Store away from oxidizing agents.

Further information about storage conditions:

Store in tightly closed containers in a cool, dry place.

Protect from heat and direct sunlight.

Ensure adequate ventilation.

Recommended storage temperature: 10-50 ° C

Storage class: No data available.

7.3 Specific end use(s) Keep out of reach of children.

8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits		Exposure			Remarks
	Country	limit	ml/m³	mg/m³	
67-63-0 Propan-2-ol	D, TRGS 900	AGW	200	500	2(II);DFG, Y
		TWA	400	999	8 h
		STEL	500	1250	15 min
	F, INRS	VLE	400	980	15 min
68476-85-7 Propellant (Liquefied petroleum gas)	UK, WEL	TWA	1000	1750	8 h
		STEL	1250	2180	15 min
Biological limits		Country	mg/l	Remarks	
67-63-0 Propan-2-ol	D, TRGS 903	25	Acetone, Blood, end of shift/exposure		
		25	Acetone, Urine, end of shift/exposure		

8.2 Exposure controls / Personal protection

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

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Eye / face protection

Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. When spraying, wear a face shield in accordance with standard EN166. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.

Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact. Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

Skin protection (other than of the hands)

Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection

In case of insufficient ventilation, wear respiratory protective equipment with filter.

Thermal hazards

Pressurised container: May burst if heated.

Exposure controls regarding environmental protection

No data available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Aerosol

Colour:

colourless

· Odour:

Slight odour of alcohol.

· Smell Threshold:

not determined

· pH:

not determined

· Change of state

Melting point/range:

not relevant

Boiling point/range:

not determined

· Flash point:

not determined

· Flammability (solid, gas):

Extremely flammable aerosol

· Ignition temperature:

not determined

· Thermal decomposition:

not relevant

· Autoinflammability:

not self-flammable

· Explosion hazard:

Pressurised container: May burst if heated.

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- **Explosion limits:**
 - Lower:** not determined
 - Upper:** not determined
- **Vapour pressure at 20 °C:** not determined
- **Density:** not determined
- **Bulk density** not determined
- **Vapour density** not determined
- **Evaporation rate** not determined
- **Solubility / miscibility**
 - Water:** not determined
- **Partition coefficient (n-Octanol/Water):** not determined
- **Viscosity:** not determined
- **Oxidising properties** not determined

9.2 Other information

No data available.

10 Stability and reactivity

10.1 Reactivity Heating may cause a fire or explosion.**10.2 Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3 Possibility of hazardous reactions

No hazardous reactions when stored under the recommended handling and storage conditions.

10.4 Conditions to avoid:

Sunlight. High temperatures. Keep away from sources of ignition.

10.5 Incompatible materials: Reacts with strong oxidants.**10.6 Hazardous decomposition products:** None when used as intended.

11 Toxicological information

11.1 Information on toxicological effects**Acute toxicity:**

Ingestion: Gastrointestinal symptoms, including upset stomach.

Inhalation of vapors may cause irritation of the upper respiratory tract.

Skin corrosion/irritation:

Skin Contact: May cause mild irritation.

Eye damage/irritation:

Eye Contact: May cause irritation of the eyes.

Sensitisation, respiratory or skin:

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



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Carcinogenicity, mutagenicity, and toxicity for reproduction (CMR):

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

Specific target organ toxicity (STOT), single/repeated exposure:

Inhalation of vapors may cause irritation of the upper respiratory tract.

May cause drowsiness or dizziness.

Aspiration hazard:

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

Additional toxicological information:

Inhalation of concentrated vapors as well as oral intake will lead to anesthesia-like conditions and headache, dizziness, etc. Has a degreasing effect on the skin!

12 Ecological information

12.1 Toxicity**Aquatic Toxicity:**

Not determined.

12.2 Persistence and degradability

The product is expected to be biodegradable.

12.3 Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil

The product is soluble in water.

12.5 Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

12.6 Other adverse effects

No data available.

13 Disposal considerations

13.1 Waste treatment methods**Recommendation:**

Must not be disposed together with household garbage. Do not empty into drains.

Must be supplied to an authorized hazardous waste incineration plant, after pretreatment, in accordance with regulations for special waste.

European waste catalog

The listed (n) waste number (s) according to the European Waste Catalogue (EWC), are a recommendation. A final decision must be taken in agreement with the regional waste management company.

16 05 04* gases in pressure containers, containing hazardous substances (including halons)

Uncleaned packaging:**Recommendation:** Disposal according to official regulations.

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14 Transport information

14.1 UN number

· ADR/RID, ADN, IMDG, ICAO/IATA UN1950

14.2 UN proper shipping name

· ADR/RID, ADN AEROSOLS
IMDG AEROSOLS
· ICAO/IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

· ADR/RID, ADN, IMDG, ICAO/IATA 2.1

Classification code

· ADR/RID, ADN 5F

14.4 Packing group

none

14.5 Environmental hazards

none

14.6 Special precautions for user

EmS F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU-Regulations

None

National Regulations
Germany: Water hazard class (WGK)
non-hazardous to water (nwg), Classification according to VwVwS

15.2 Chemical safety assessment: No data available

16 Other information

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Revision notes

* Changes since the last version

Abbreviations

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).



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Title for H and EUH indications (Number and text)

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Methods of evaluating information referred to in Article 9 of Regulation (EC) No 1272/2008
for the purpose of classification**

Classification based on the components