

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	AZ-10 Aluzinc spray 400 ml
CODE	110040
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADDRESS	c/ Thomas Edison 16, Apartado de correos 95
CITY	08430 La Roca del Vallés (Barcelona)
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WEB	www.bossauto.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Regulation n°1272/2008 (CLP)



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

A. CLP Regulation (EC) n°1272/2008

The product is classified and labelled according to the CLP regulation.

• Hazard pictograms



GHS02

GHS07

- **Warning word**

Danger

- **Hazardous components that have to be labelled**

Acetone

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

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/sparks/open flames/hot surfaces. - No smoking.

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

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

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray.

P280 Wear protective gloves.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P403 Store in a well-ventilated place.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information**

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

Description: Active substance with propellant

CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-<50%
CAS: 106-97-8 EINECS: 203-448-7 Reg. Nr.: 01-2119474691-32	Butane (1,3 < 0.1% butadiene) Flam. Gas 1, H220; Press. Gas, H280	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.:	propane Flam. Gas 1, H220; Press. Gas, H280	10-<25%

01-2119486944-21		
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	2.5-<10%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butanol Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1,0-<2,5%

Additional information:

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. After inhalation

In case of unconsciousness place patient stably in side position for transportation.

B. After skin contact

Immediately wash with water and soap and rinse thoroughly.

C. After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

D. After swallowing

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: carbon dioxide, water haze, fire-fighting powder, alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Special protective equipment: Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

When enter sewers/ surface or ground water, notify authorities.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.
 Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections

See section 7 for information on safe handling.
 See section 8 for information on personal protection equipment.
 See section 13 for disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.

A. Information about fire - and explosion protection

Do not spray onto a naked flame or any incandescent material.
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2. Conditions for a safety storage, including incompatibilities

A. Storage

- **Requirements to be met by storerooms and receptacles**

Store in a cool location.
 Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility**

Observe official regulations on storing packagings with pressurized containers.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.
 Do not seal receptacle gas tight.
 Store in cool, dry conditions in well sealed receptacles.
 Protect from heat and direct sunlight.

7.3. Specific end uses

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

· Additional information about design of technical facilities:

No further data; see item 7.

8.1. Control parameters

A. Ingredients with limit values that require monitoring at the workplace

67-64-1 Acetone	
LEP	Long-term value: 1210 mg/m ³ , 500 ppm VLB, VLI
106-97-8 butane (1,3 < 0.1% butadiene)	
LEP	Long-term value: 1000 ppm

74-98-6 propane	
LEP	Long-term value: 1000 ppm
71-36-3 butanol	
LEP	Short-term value: 154 mg/m ³ , 500 ppm Long-term value: 61 mg/m ³ , 20 ppm

B. DNEL

71-36-3 butanol		
Oral Inhalation	DNEL Long term-systemic DNEL Long term-local	3,125 mg/kg bw/day (Worker) 310 mg/m ³ (Consumer) 55 mg/m ³ (Worker)
67-64-1 Acetone		
Oral Dermal	DNEL Long term-systemic DNEL Long term-systemic	62 mg/kg bw/day (Consumer) 62 mg/kg bw/day (Consumer) 186 mg/kg bw/day (Worker)
Inhalation	DNEL Acute-local DNEL Long term-systemic	2420 mg/m ³ (Worker) 200 mg/m ³ (Consumer) 1210 mg/m ³ (Worker)

C. PNEC

67-64-1 Acetone	
PNEC Freshwater sediment	30.4 mg/kg (Undefined)
PNEC Marine water	1.06 mg/l (Undefined)
PNEC Marine water sediment	3.04 (Undefined)
PNEC Soil	29.5 mg/kg (Undefined)

D. Ingredients with biological limit values

67-64-1 Acetone	
VLB	50 mg/l Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

Additional information: Lists valid during the making were used as basis.

8.2. Exposure control

A. Personal protective equipment

- General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Do not inhale gases/fumes/aerosols.
 Avoid contact with skin.
 Avoid contact with the eyes and skin.

- Respiratory protection**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 Filter AX/P2
 Use suitable respiratory protective device in case of insufficient ventilation.
 Filter A/P2

- Protection of hands**

Use protective gloves against chemical products according to EN 374



Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.5 mm

• Penetration time of glove material

For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection**

Safety glasses (EN-166)



Tightly sealed goggles.

• **Body protection**

Use protective suit. (EN-13034/6)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	Aerosol
Colour	According to product specification
Odour	Characteristic
Odour threshold	Undetermined
pH value	Undetermined
Melting point/melting range	Undetermined
Boiling point/boiling range	-44°C
Flash point	-97°C
Flammability (solid, gas)	Not applicable
Self-ignition	365°C
Decomposition	Undetermined
Self-ignition	This product is no self-igniting.

Danger of explosion	This product is no explosive; however, formation of explosive air/vapour mixtures are possible.
Lower explosive limit	0,7 Vol. %
Upper explosive limit	13,0 vol%
Vapour pressure at 20°C	8300 hPa
Density at 20°C	0,741 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20°C	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic at 20°C	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	89.3%
Solids content	10.7%

9.2. Additional information

No further relevant data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition/ conditions to avoid: No decomposition if used according to specifications.

10.3. Dangerous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Dangerous decomposition products

No dangerous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

A. Acute toxicity

Due to the available data, the classification criteria are not met.

67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	7800 mg/kg (rbt)
Inhalative	LC50/4h	>20 mg/l (rat)

64742-95-6 Solvent naphtha (petroleum), light arom. Benzene<0.1%		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rabbit)
Inhalative	LC50/4h	>10.2 mg/l (rat)
71-36-3 butanol		
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rbt)
Inhalative	LC50/4h	>17.76 mg/l (rat)

B. Primary irritant effect

- **Skin corrosion/irritation**

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

- **Serious eye damage/irritation**

Causes severe eye irritation.

- **Respiratory or skin sensitisation**

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

C. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Germ cell mutagenicity**

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

- **Carcinogenicity**

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

- **Reproductive toxicity**

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

- **STOT-single exposure**

May cause drowsiness or dizziness.

- **STOT-repeated exposure**

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

- **Aspiration hazard**

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

12. ECOLOGICAL INFORMATION

12.1. Toxicity

A. Aquatic toxicity

67-64-1 Acetone	
EC50	8800 mg/l (Daphnia magna) 8300 (96h) mg/l (Fish)
71-36-3 butanol	
NOEC (21 days)	4,1 mg/l (Dm)
LC50/96h	1376 mg/l (Pimephales promelas)
EC50/48h	1328 mg/l (Dm)
EC50	225 mg/l (Selenastrum capricornatum (72 h))

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulation potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

A. Ecotoxicological effects

Notes: Toxic to fish.

B. Additional environmental directions

- General directions:
Toxic for aquatic organisms.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation: must not be disposed together with household garbage. Do not allow product to reach sewage system.

13.2. Uncleansed packages

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR, IMDG, IATA: UN1950

14.2. UN proper shipping name

- ADR: 1950 AEROSOLS
- IMDG: AEROSOLS
- IATA: AEROSOLS, Flammable

14.3. Transport hazard class

ADR



Class: 2 5F Gases

Label: 2.1

ADN

Class: 2 5F

IMDG, IATA



Class: 2.1

Label: 2.1

14.4. Packaging group

ADR, IMDG, IATA: Void

14.5. Environmental hazards

Marine Pollutant: No

14.6. Special precautions for users

- Warning: Gases
 - Kemler number: -
 - EMS number: 2-13
- Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

Not applicable.

A. Transport/additional data

ADR

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E0

Not allowed as excepted quantity

Tunnel restriction code: B1D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E0

Not allowed as excepted quantity

UN "Model Regulation": UN1950 AEROSOLS, 2.1

15. REGULATORY INFORMATION

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

A. Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

Regulation (CE) N°1907/2006 ANNEX XVII Restrictions 28,29

· National dispositions
Class Share in %
NK 75-<100

- VOC-CH: 89,30%
- VOC-EU: 661,7 g/l
- Danish MAL code: 5-3

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

A. Relevant phrases

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects

B. Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 1: Flammable liquids, Hazard Category 1

Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

The statements made here should describe the product with regard to the necessary safety precautions – they are no meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility