

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	Z3010 Zinc spray 400 ml
CODE	110007
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADDRESS	c/ Thomas Edison 16, Apartado de correos 95
CITY	08430 La Roca del Vallés (Barcelona)
TEL	+ 34 93 860 49 23
FAX	+34 93 871 23 36
E-MAIL	info@bossauto.com
WEB	www.bossauto.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Classification according to Regulation (CE) no 1272/2008



GHS02 Flame

Fam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized recipient. It may explode if heated.



GHS09 Environment

Aquatic Acute 1 H400

Very toxic to aquatic life.

Aquatic Chronic 1 H410

Very toxic to aquatic life with long lasting harmful effects.

2.2. Label elements

A. Regulation (CE) no 1272/2008 (CLP)

- Hazard pictograms**



GHS02

GHS09

- Warning word : Danger**

• **Hazard indications**

H222-H229 Extremely flammable aerosol. Pressurized recipient. May burst if heated.
 H410 Very toxic to aquatic life with long lasting harming effects.

• **Precautionary statements**

P101 If medical attention is required, do have the label or recipient of this product available.
 P102 Keep out of reach of children.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P211 Do not spray to an open flame or other ignition sources.
 P251 Pressurized recipient: do not pierce or burn, even after use.
 P260 Do not breathe the spray.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 Dispose of contents/container in accordance with regional regulations.

2.3. Other hazards












Results of PBT and mPmB assessment

- PBT: Not applicable.
- mPmB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Chemical Characterizing: Mixtures

. Description: Mixture of substances specified as follows with no hazardous additives

Hazardous Components:		
CAS: 115-10-6 EINECS: 204-065-8 Classification no: 603-019-00-8 Reg.no:01-2119472128-37	Ether dimethyl  Flam. Gas 1, H220 Press. Gas C, H280	25-<50%
CAS: 7440-66-6 EINECS: 231-175-3 Classification no: 030-001-01-9 Reg.no: 01-2119467174-37	zinc powder (stabilized)  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	25-<50%
CAS: 67-64-1 EINECS: 200-662-2 Classification no: 606-001-00-8 Reg.nr.: 01-2119471330-49	Acetone  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336	5-<10%
Number CE: 918-668-5 Reg.no: 01-2119455851-35	Hydrocarbons, C9, aromatic  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Chronic 2, H411  STOT SE 3, H335-H336	5-<10%
CAS: 1330-20-7 EINECS: 215-535-7 Classification no: 601-022-00-9 Reg.nr.:01-2119488216-32	Xylene  Flam. Liq. 3, H226;  Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315;	2,5-<5%
CAS: 1314-13-2 EINECS: 215-222-5 Classification no: 030-013-00-7 Reg.nr.: 01-2119463881-32	zinc oxide  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2,5%

Additional information:

The text of possible risks above indicated can be checked in Chapter 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. After inhalation of the product

Supply fresh air; consult doctor in case of complaints.

B. After skin contact

In general the product does not irritate the skin.

C. After eye contact

Rinse opened eye for several minutes under running water.

D. After swallowing

Drink a lot of water and breath fresh air. Seek medical attention 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

A. Suitable extinguishing agents:

CO₂, fire-extinguishing powder or water haze. Fight bigger fires with water haze or alcohol resistant foam.

5.2. Special hazards caused by the substance or mixture

Possible resulting toxic in case of heating or fire.

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

Put on mouth respiratory protective device

Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system.

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

6.3. Methods and material for containment and cleaning up

Dispose contaminated material as dumping according item 13.

Ensure adequate ventilation.

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.

Special caution measures are not required.

A. Fire-and explosion prevention

Do not spray onto naked flame or any incandescent material.

Keep away from ignition sources. Do not smoke.

Caution: pressurized container. Protect from direct sunlight and do not expose to temperatures exceeding 50°C (for example, electric lights). Do not pierce or burn, even after use.

7.2. Conditions for a safety storage, including incompatibilities

A. Storage and receptacle requirements

Observe official regulations on storing packages with pressurized containers.

B. Rules in case of storage

Not necessary

C. Further information about storage conditions

Keep receptacle tightly sealed.

Storage class: 2 B

7.3. Specific end uses

No further information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further date; see item 7.

8.1. Control parameters

A. Ingredients with admissible limit values to be controlled at working place

115-10-6 ether dimethyl
LEP Long-term value: 1920mg/ m ³ , 1000 ppm VLI
67-64-1 Acetone
LEP Long-term value: 1210 mg/m ³ , 500 ppm VLB, VLI
1330-20-7 xylene
LEP Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Dermal, VLB, VLI

B. Ingredients with biological limit values

67-64-1 Acetone	
VLB	50 mg/l Medium: urine Sampling time: post shift Parameter: Acetone
1330-20-7 xylene	
VLB	1g/g creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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

8.2. Exposure control

A. Personal protective equipment

- **General protective and hygienic measures**

Wash hands before breaks and at the end of work.
 Do not inhale gases/fumes/aerosols.

- **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.

- **Hands protection**

The material of the gloves must be waterproof and resistant to the product/ substance/ mixture. As there are not specific test available, no special material can be recommended for protective gloves against chemical products.

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 cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection :** Not necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic physical and chemical properties

General Details

Aspect	
Form	Aerosol

Colour	Grey
Odour	Similar to solvent
Odour threshold	Undetermined
pH value	Undetermined
Melting point/melting range	Undetermined
Change of state	
Boiling point/boiling range	Not applicable as it's a spray
Flash point	< -0°C Not applicable as it's a spray
Flammability (solid, gas)	Not applicable
Self-ignition	240°C
Decomposition	Undetermined
Self-ignition	This product is no self-igniting.
Danger of explosion	This product is no explosive; however, may form flammable/explosive vapour-air mixture.
Explosion Limit	
Lower explosive limit	3,3 Vol. %
Upper explosive limit	26,2 Vol. %
Vapour pressure at 20°C	4.000 hPa
Density at 20°C	1,1 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic:	Not determined
Kinematic:	Not determined
Solvent content	
Organic solvents	59,2%
EU-VOC:	648,5g/l
EU-VOC in %:	59,22%
VOC (CE):	648,3g/l
Solids content	45,5%

9.2. Additional information

No further relevant data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

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 information available.

10.5. Incompatible materials

No further information available.

10.6. Dangerous decomposition products

No dangerous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

A. Acute toxicity

LD/LC50 values (Lethal dose/lethal dose=50%) relevant for classification:

67-64-1 Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15.800 mg/kg (rabbit)
Inhalative	LC50/4h	76 mg/l (rat)
1330-20-7 xylene		
Oral	LD50	3.523 mg/kg (rat)
Dermal	LD50	2.000 mg/kg (Rabbit)
Inhalative	LC50/4h	29.000 mg/m ³ (rat)

A. Primary irritant effect

- **On skin**

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

- **On the eye**

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

- **Sensitization on breath or skin**

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

- **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**

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

- **STOT-repeated exposure**

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

- **Aspiration hazard**

May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

. Aquatic toxicity

115-10-6 Ether Dimethyl	
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4.000 mg/l (daphnia magna)

LC50 / 96 h	>4.000 mg/l (fish)
67-64-1 Acetone	
LC50/96h	8.300 mg/l (fish)
EC50/96h	7.200 mg/l (algae)
LC50/48h	8.450 mg/l (crustacean (water flea))
1330-20-7 xylene	
EC50/48h	7,4 mg/l (Daphnia magna)
LC50/96h	13,5 mg/l (Fish)

12.2. Persistence and degradability

No further information available.

12.3. Bioaccumulation potential

No further information available.

12.4. Mobility in soil

No further information available.

A. Ecotoxicological effects

Note: Very toxic for fishes.

B. Additional environmental directions

· General directions:

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms.

12.5. Results of PBT and mPmB assessment

PBT: Not applicable.

mPmB: 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.

European Catalogue of waste

08 01 11* Waste of painting color and clear coat with organic solvents and other hazardous substances

15 01 04 Metal container

13.2. Uncleansed packages

Recommendation: Not contaminated packages can be recycled.

14. TRANSPORT INFORMATION

14.1. UN-Number

ADR, IMDG, IATA: UN1950

14.2. UN proper shipping name

- ADR: 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
- IMDG: AEROSOLS (ZINC POWDER, zinc dust (stabilized), Solvent naphtha (petroleum), light arom. MARINE POLLUTANT
- IATA: AEROSOLS, Flammable

14.3. Transport hazard class

ADR



Class: 2 5F Gases
Label: 2.1

IMDG



Class: 2.1
Label: 2.1

· IATA



Class: 2.1
Label: 2.1

14.4. Packaging group

· ADR, IMDG, IATA: Void.

14.5. Environmental hazards

- Marine Pollutant: Yes
Symbol (fish and tree)
- Special marking (ADR): Symbol (fish and tree)

14.6. Special precautions for users

Warning: Gases

-
- Kemler number: -
- EMS number: F-D, S-U
- 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 It is not permitted as excepted quantity

Transport Category: 2

Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ): Code E0 It is not permitted as excepted quantity.

UNECE "Model Regulation": UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 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 E1 Dangerous for the aquatic environment P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

- **DIRECTIVE (CE) no 1907/2006 ANEX XVII** Restrictions: 3

B. National regulations

Additional regulations and banning directives

- Highly concerning substances (SVHC) according to REACH, art. 57

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.

• Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapours.

H226 Flammable liquid and vapour.

H280 Contains pressurized gas; danger of explosion if heated.

H304 May be fatal if swallowed and if penetrated into airways.

H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic for aquatic organisms, with long-term harmful effects.
H411 Toxic to aquatic life with long lasting effects.

- Contact person: R&D legislation and regulatory advisor
- Spokeman: K. Smedeman

• **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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases, Hazard Category 1
Aerosol 1: Flammable aerosols, Hazard Category 1
Press. Gas C: Gases under pressure: Compressed gas
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute Toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility