Safety Data Sheet

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

1.1. Product identifier

Art. BI0017 Gold Spray 150ml Bright Ideas Marketing Limited
Art. BI0024 Silver Spray 150ml Bright Ideas Marketing Limited
Art. BI0027 Copper Spray 150ml Bright Ideas Marketing Limited

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

Use of the substance/mixture:

Aerosol

Uses advised against:

none/none

1.3. Details of the supplier of the safety data sheet

Company name: ENVASADO XIOMARA, S.L.
Street: Polígono Industrial La Torrecilla Chica, 6.
Place: 45220 Yeles (Toledo) – SPAIN

Responsible Department: Carlos González
Tel.: +34 925 54 58 28
Fax: +34 925 54 57 96
Email: carlos@envasadoxiomara.com

1.4. Emergency telephone number:

+34 925 54 58 27 / +34 925 54 58 28 / FAX: +34 925 54 57 96

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Pictograms : GHS02 (Flammable)
GHS07 (Irritant)

Signal word: Danger

GHS Classification:

Hazard categories: Aerosol: Aerosol 1

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

Main hazards:

The aerosol may explode due to the internal pressure generated when exposed to temperatures exceeding 50ºC. Extremely flammable

2.2.- Label elements

Signal word : Danger

Pictograms:
Hazard statements:

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
Contains 2-propanone and Methyl ethyl ketone.

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 Pressurized container: Do not pierce or burn, even after use.
P280 Wear protective gloves/protective clothing/eye protection/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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 oC/122oF.
P501 Dispose of contents/container in accordance with national regulations

2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.
The aerosol may explode due to the internal pressure generated when exposed to temperatures exceeding 50ºC/122ºF.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N/A

3.2 Mixtures

Identifier number	Identification name	Content (%)	Classification according to Regulation 1272/2008
CAS Nº 68512-91-4	Hydrocarbons, C3-4 rich, petroleum distillate, petroleum gas	50-70	Flam. Gas 1 Pres. Gas GHS02 Danger
Nº CAS: 67-64-1 EINECS: 200-662-2 REACH: 01-2119471330-49	2- Propanone	20-35%	EUH066 Flam liq. 2, H225 STOT SE 3, H336 Eye Irrit 2, H319

Nº CAS: 78-93-3 EINECS: 201-159-0 REACH: 01-2119457290-43	Methyl ethyl ketone	20-30%	STOT unica 3, H336 Eye Irrit 2, H319 Liq Infl. 2, H225

Full text or R and H phrases: see Section 16.

Further information

Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas: Note K: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w 1,3 butadiene (EINECS 203-450-8).

SECTION 4 : FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

After contact with eyes:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion:

If swallowed, immediately drink: Water. Never give anything by mouth to an unconscious person or a person with cramps. Do not induce vomiting. Caution if victim vomits: Risk of aspiration!

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

No symptoms known up to now.

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

Treat symptomatically.

SECTION 5 : FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Foam. Carbon dioxide. Extinguishing powder.

Unsuitable extinguishing media:

High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air.
Can be released in case of fire: Carbon dioxide (CO2). Carbon monoxide.
Contains gas under pressure; may explode if heated.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit.

Additional information:

Use water spray/stream to protect personnel and to cool endangered containers. Use a water spray jet to knock down vapours/gases/mists. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment. In case of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.
Avoid contact with skin, eye and clothing. Wear personal protection equipment.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Explosion hazard. Eliminate leaks immediately.
Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the assimilated material according to the section on waste disposal .
Ventilate affected area.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling:

Use only in well-ventilated areas. Take precautionary measures against static discharges . Do not spray into flames or ignition sources. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Advice on protection against fire and explosion:

Keep away from sources of ignition - No smoking. Heating causes rise in pressure with risk of bursting.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition – No smoking. Please note: aerosol directive (75/324/EEC).

Advice on storage compatibility:

Do not store together with: Radioactive substances. Infectious substances. Organic peroxides.
Oxidizing solids. Oxidizing liquids. Pyrophoric liquids and solids. flammable substances. Substances or mixtures which, in contact with water emit flammable gases.

Further information on storage conditions:

Recommended storage temperature: 10-30°C Do not store at temperatures over: 50°C
Conditions to avoid: UV-radiation/sunlight, heat, moisture.
Ensure adequate ventilation of the storage area.

7.3. Specific end use (s)

Observe technical data sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits (EH40)

CAS Nº	Identification name	ppm	mg/m3	Categoría-Origen
68512-91-4	Hydrocarbons, C3-4 rich, petroleum distillate, petroleum gas	1000	-	VLA-ED INSHT
67-64-1	2-Propanone	500	1210	VLA-ED INSHT
78-93-3	Methyl ethyl ketone	200 300	600 900	VLA-ED INSHT VLA-EC INSHT

8.2. Exposure controls

Appropriate engineering controls:

Use only outdoors or in a well-ventilated area.

Protective and hygiene measures:

Take off immediately all contaminated clothing. Wash hands before breaks and at the end of work.
When using do not eat, drink or smoke.

Eye/face protection:

Wear safety glasses; chemical goggles (if splashing is possible).

Hand protection:

Hand protection: not required.
In case of prolonged or frequently repeated skin contact:
Pull-over gloves of rubber. DIN EN 374
Suitable material:
(penetration time (maximum wearing period): >=8h):
Butyl rubber. (0,5mm)
FKM (fluororubber). (0,4 mm)
In case of reutilization, clean gloves before taking off and store in well-aired place.

Skin protection:

No special measures are necessary

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.
Respiratory protection required in case of:
exceeding critical value
insufficient ventilation.
Suitable respiratory protective equipment: Combination filter device (DIN EN 141).. Type A/P3
Only use breathing apparatus with CE-label including the four-digit identification number.

Environmental exposure controls:

Do not allow uncontrolled leakage of product into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	characteristic
Odour:	characteristic
pH-value:	not determined

Changes in the physical state:

Initial boiling point and boiling range:	not determined
Flash point:	not determined

Explosive properties:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Oxidizing properties: none/none

Vapour pressure:	3 -4 bar (25ºC)
Density:	0,6-0,7 g/cm³
Water solubility:	not miscible
Viscosity / dynamic:	not determined

Solvent content:	92,02% - Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Protect from moisture. Keep away from heat. Protect from direct sunlight. Ignition hazard.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In use, may form flammable/explosive vapour-air mixture. Can be released in case of fire: Carbon dioxide (CO2). Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution:

No information available

Acute toxicity:

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

CAS Nº	Chemical name	Exposure routes	Method	Dose	Species	Source
68512-91-4	Hydrocarbons, C3-4 rich, petroleum distillate, petroleum gas	Inhalation	LC50	20mg/l	Rat	SDS
67-64-1	2- Propanone	Oral	LD50	5800mg/kg	Rat	SDS
78-93-3	Methyl ethyl ketone	Oral Skin	LD50 LD50	>2000mg/kg >2000mg/kg	Rat Rabbit	SDS SDS

Irritation and corrosivity:

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

Irritant effect on the eye: May cause irritation and sight disturbances-
Irritant effect on the skin: May cause irritation if it is many time in contact with skin.

Sensitising effects:

Based on available data, the classification criteria are not met.
Product is: no danger of sensitization. The statement is derived form the properties of the components.

STOT-single exposure:

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

Severe effects after repeated or prolonged exposure:

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

Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not met.
Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas:
Ames test negative. (OECD 479.)
Lit.: IUCLID

Aspiration hazard:

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

Specific effects in experiment on an animal:

No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

CAS Nº	Chemical name	Method-Dose-Species-Source
68512-91-4	Hydrocarbons, C3-4 rich, petroleum distillate, petroleum gas	Fish Acute Toxicity – TlM96< 1000mg/l - 96h - - IUCLID
67-64-1	2-Propanone	Fish Acute Toxicity – LC50>100mg/l - 96h – Pimephales promelas -SDS Algae Acute Toxicity – EC50= 20,565mg/l - 96h –Ulva pertusa - SDS Crustacean Acute Toxicity – EC50=6000mg/l – 48h – Gammarus pulex - SDS
78-93-3	Methyl ethyl ketone	Fish Acute Toxicity – LC50>100mg/l - 48h – Leuciscus idus - SDS Algae Acute Toxicity – EC50>100mg/l - 48h – Desmodesmus subspicatus - SDS Crustacean Acute Toxicity – EC50>100mg/l – 48h – Daphnia magna - SDS

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water:

CAS Nº	Chemical name	Log Pow
68512-91-4	Hydrocarbons, C3-4 rich, petroleum distillate, petroleum gas	2,80
67-64-1	2- Propanone	-0,24
78-93-3	Methyl ethyl ketone	0,29

12.4. 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.

12.6. Other adverse effects

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Advice on disposal:

Waste disposal according to official state regulations. Cleaned containers may be recycled.

Waste disposal number of waste from residues/unused products:

160504 Wastes not otherwise specified in the list: gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances.
Classified as hazardous waste.

Waste disposal number of used product:

160504 Wastes not otherwise specified in the list: gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances.
Classified as hazardous waste.

Waste disposal number of contaminated packaging:

150110 Waste packaging: absorbents, wiping cloths, filter materials and protective clothing not otherwise specified: packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances.
Classified as hazardous waste.

SECTION 14. TRANSPORT INFORMATION

14.1 Land transport (ADR/RID)

14.1. 1 UN number:	UN1950
14.1.2 UN proper shipping name:	AEROSOLS
14.1-3 Transport hazard class(es):	2
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	1 L
Transport category:	2
Tunnel restriction code:	D
Other applicable information (land transport)	Excepted quantity: E0

14.2 Inland waterways transport (ADN)

14.2.1 UN-Number:	UN1950
14.2.2 UN proper shipping name:	AEROSOLS
14.2.3 Transport hazard class(es):	2
Hazard label:	2.1
Classification code:	5F
Special Provisions:	190 327 344 625
Limited quantity:	LQ 2
Other applicable information (inland waterways transport)	Excepted quantity: E0

14.3 Marine transport (IMDG)

14.3.1 UN number:	UN1950
14.3.2 UN proper shipping name:	AEROSOLS
14.3.3 Transport hazard class(es):	2
Hazard label:	2, see SP63
Marine pollutant:	NO
Special Provisions:	63, 190, 277, 327, 344, 959
Limited quantity:	See SP277
EmS:	F-D, S-U
Other applicable information (marine transport)	Excepted quantity: E0

14.4 Air transport (ICAO)

14.4.1 UN number:	UN1950
14.4.2 UN proper shipping name:	AEROSOLS, flammable
14.4.3 Transport hazard class(es):	2.1
Hazard label:	2.1
LIMITED QUANTITIES	
Special Provisions:	A145 A167 A803
Limited quantity Passenger:	30 kg G
IATA-packing instructions – Passenger:	203
IATA-max. quantity – Passenger:	75 kg
IATA-packing instructions – Cargo:	203

IATA-max. quantity – Cargo:	150kg
Other applicable information (air transport)	Excepted quantity: E0 Passenger –LQ: Y203

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: not determined

14.6. Special precautions for user

Refer to chapter 6-8

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Irrelevant

SECTION 15. REGULATORY INFORMATION

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

EU regulatory information

1999/13/EC (VOC): 92,02 %

Additional information

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

National regulatory information
Employment restrictions: Observe employment restrictions for young people.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16. OTHER INFORMATION

Changes

Version	Revision date	Changes
1.0	15/07/2014	Initial
1.1	14/04/2016	Actualization CLP clasification

Acronym

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level

Full test of H phrases referred to under Sections 2 and 3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

The information contained in this sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and suggestions are made without guarantee. The information contained in this sheet is offered in good faith, according to our knowledge of the product involved. Some data is currently being reviewed. We would warn users about the possible appearance of other risks if this product is applied for uses other than those herein specified. This data sheet should be applied and reproduced only for prevention and safety reasons. The list of legal, regulatory and administrative texts contained herein is not exhaustive.