

XENUM - Zinc Coat+ Zinc anti corrosion

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

1.1. - Product identifier

Trade name XENUM - Zinc Coat+ Zinc anti corrosion
Chemical name
Product-type Mixture
Product code 4113500

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

Relevant identified uses of the substance or mixture - Aerosol propellants

Uses advised against of the substance or mixture - Do not use for medical-clinical purposes.
- Do not use for products which come into contact with the food stuffs.

1.3. - Details of the supplier of the safety data sheet

XENUM NV/SA
Vluchtenburgstraat 9
2630 Aartselaar Belgium
Phone +32(0)3 846 48 03
XENUM HQ: +32(0)3 846 48 03 info@xenum.com

1.4. - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30

BelgiumPoison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30
NL Alleen voor professionele hulpverleners: Nationaal Vergiftigingen Informatiecentrum (NVIC): +31(0)3 02 74 88 88
Czech RepublicToxicological Information Centre Telefon: +420 224 919 293, +420 224 915 402
GermanyGiftnotruf der Charité CBF, Tel.: + 49 (0) 30/19240
NorwayPoison Centre. Tel: (+47) 22 59 13 00
SpainToxicology Information Service. Tel: (+34) 91 562 04 20
ItalyCentro Antiveleni Firenze Tel (+39)055 794.7819

SECTION 2 - Hazards identification

2.1. - Classification of the substance or mixture

Aerosol 1	Aerosols, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1

2.2. - Label elements

Signal word Danger

Hazard pictograms



Hazard statements

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H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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
P273	Avoid release to the environment
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F
P501	Dispose of contents/container to an accredited treatment center

EUH-phrases

2.3. - Other hazards

PBT substance or mixture - No information available.

vPvB substance or mixture - No information available.

Other hazards which do not result in classification - People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

SECTION 3 - Composition/information on ingredients

3.1. - Substances

Not applicable

3.2. - Mixtures

Chemical name	No	%	Class	Spec. concentrations
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7 REACH No. : 01-2119529230-52	1 - 2,5	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	
zinc powder - zinc dust (pyrophoric)	CAS No. : 7440-66-6 Index No. : 030-001-00-1 EC No. : 231-175-3 REACH No. : 01-2119467174-37	25 - 50	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Propane	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9 REACH No. : 01-2119486944-21	10 - 25	Flam. Gas 1 - H220 Press. Gas -	

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Chemical name	No	%	Class	Spec. concentrations
acetone, propan-2-one, propanone	CAS No. : 67-64-1 Index No. : 606-001-00-8 EC No. : 200-662-2 REACH No. : 01-2119486944-21	10 - 25	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	
xylene	CAS No. : 1330-20-7 Index No. : 601-022-00-9 EC No. : 215-535-7 REACH No. : 01-2119488216-30	2,5 - 10	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 STOT RE 2 - H373 STOT SE 3 (H335) - H335	
Solvent naphtha (petroleum), light arom., Low boiling point naphtha - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantl	CAS No. : 64742-95-6 Index No. : 649-356-00-4 EC No. : 265-199-0	2,5 - 10	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H335) - H335 STOT SE 3 (H336) - H336	
zinc oxide	CAS No. : 1314-13-2 Index No. : 030-013-00-7 EC No. : 215-222-5 REACH No. : 01-2119463881-32	1 - 2,5	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

SECTION 4 - First aid measures

4.1. - Description of first aid measures

<u>Measures in case of inhalation</u>	<ul style="list-style-type: none"> - Medical examination necessary even merely on suspicion of intoxication. - Provide fresh air. - Remove casualty to fresh air and keep warm and at rest. - Remove victim out of the danger area.
<u>Measures in case of contact with skin</u>	<ul style="list-style-type: none"> - After contact with skin, wash immediately with plenty of water and soap.
<u>Measures in case of contact with eyes</u>	<ul style="list-style-type: none"> - Rinse immediately carefully and thoroughly with eye-bath or water.
<u>Measures in case of ingestion</u>	<ul style="list-style-type: none"> - When in doubt or if symptoms are observed, get medical advice. - Rinse mouth thoroughly with water.

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

<u>Symptoms and effects after inhalation</u>	<ul style="list-style-type: none"> - Effects Allergic reactions - Effects Disorientation - The following symptoms may occur: Drowsiness
<u>Symptoms and effects after contact with skin</u>	<ul style="list-style-type: none"> - No information available.
<u>Symptoms and effects after contact with eyes</u>	<ul style="list-style-type: none"> - Serious eye damage/eye irritation
<u>Symptoms and effects after ingestion</u>	<ul style="list-style-type: none"> - No information available.

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

- Treat symptomatically.

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SECTION 5 - Firefighting measures

5.1. - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Dry sand
- Foam
- Sand
- Water mist

Unsuitable extinguishing media

- High power water jet
- Water spray jet

5.2. - Special hazards arising from the substance or mixture

Special hazards

- Hazardous combustion products

Decomposition products

- No information available.

5.3. - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6 - Accidental release measures

6.1. - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Avoid dust formation.
- Remove persons to safety.
- Use personal protection equipment.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Wear personal protection equipment (refer to section 8).

6.2. - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3. - Methods and material for containment and cleaning up

Appropriate containment techniques

- Soak up inert absorbent and dispose as waste requiring special attention.

Appropriate clean-up procedures

- Ventilate affected area.

Inappropriate techniques

- Unsuitable material for taking up: Water (with cleaning agent)

6.4. - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

SECTION 7 - Handling and storage

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7.1. - Precautions for safe handling

Recommendations

- After use replace the closing cap immediately.
- Avoid: Eye contact
- Do not spray on naked flames or any incandescent material.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Advice on general occupational hygiene

- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.
- Work in well-ventilated zones or use proper respiratory protection.

7.2. - Conditions for safe storage, including any incompatibilities

- Do not store together with: Food and feedingstuffs
- Keep container tightly closed and in a well-ventilated place.
- Keep locked up.
- Protect against: Heat
- Storage class aerosols

7.3. - Specific end use(s)

SECTION 8 - Exposure controls/personal protection

8.1. - Control parameters

Propane (74-98-6)

OEL mg/m3 (BE)	3600 mg/m3
OEL ppm (BE)	1000 ppm

8.2. - Exposure controls

Appropriate engineering controls

- Technical measures and the application of suitable work processes have priority over personal protection equipment.

Individual protection measures, such as personal protective equipment

- Eye protection



- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.



- EN 420
- Suitable material: NBR (Nitrile rubber)

- Transmission 8mg/cm² for 8h (water vapour 5mg/cm²/h)

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Environmental exposure controls

- Use the following chemical treatment methods for waste water: Adsorption

SECTION 9 - Physical and chemical properties

9.1. - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Liquid</u>	<u>Appearance</u>	<u>Aerosol</u>
<u>Color</u>	colourless	<u>Odor</u>	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		-44 °C	
Flash point		-97 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0,7 % Vol.	
Upper explosion limit		13 % Vol.	
Vapour pressure		8300 Pa	
Vapour density		No data available	
Relative density		No data available	
Density		1,28 g/cm ³	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC - Partition coefficient: n-octanol/water		No data available	
Auto-ignition temperature		450 °C	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

9.2. - Other information

VOC content	91,6 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10 - Stability and reactivity

10.1. - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2. - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. - Possibility of hazardous reactions

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- No hazardous reaction when handled and stored according to provisions.

10.4. - Conditions to avoid

- No information available.

10.5. - Incompatible materials

- No information available.

10.6. - Hazardous decomposition products

- No information available.

SECTION 11 - Toxicological information

11.1. - Information on toxicological effects

Acute toxicity - Not classified

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rat)	13900 mg/kg
LC50 inhalation dusts and mists (rat)	> 25 mg/l

Skin corrosion/irritation - Not classified

Serious eye damage/irritation - Serious eye damage/eye irritation, Category 2 - Causes serious eye irritation
- Risk of serious damage to eyes.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

Specific target organ toxicity - Single exposure - Not classified

Specific target organ toxicity - Repeated exposure - Not classified

Aspiration hazard - Aspiration hazard, Category 1

SECTION 12 - Ecological information

12.1. - Toxicity

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EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No information available.

12.2. - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- Moderately/partially biodegradable.

12.3. - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC - Partition coefficient: n-octanol/water	No data available

- No indication of bioaccumulation potential.

12.4. - Mobility in soil

- Waterbezwaarlijkheid (NL) 1: Zwarte lijst-stof (76/464/EEG).
- Very high mobility in soil with a negligible tendency to leave the sediment.

12.5. - Results of PBT and vPvB assessment

- No information available.
- No information available.

12.6. - Other adverse effects

- No information available.

SECTION 13 - Disposal considerations

13.1. - Waste treatment methods

<u>Appropriate methods of waste treatment</u>	- Dispose of waste according to applicable legislation. - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- Dispose according to legislation.

SECTION 14 - Transport information

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14.1. - UN number

UN number (ADR) : UN1950

14.2. - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS, flammable

14.3. - Transport hazard class(es)

ADR Class :

ADR Classification code :

Pictograms



14.4. - Packing group

Packing group :

14.5. - Environmental hazards

Environmental hazards : Yes

Marine pollutant : Hazardous to the aquatic environment - Acute Hazard, Category 1
Hazardous to the aquatic environment - Chronic Hazard, Category 1

14.6. - Special precautions for user

ADR

ADR Classification code :
ADR Special provisions :
ADR Limited quantities :
ADR Excepted quantities :
ADR Packing instructions :
ADR Special packing provisions :
ADR Mixed packing provisions :
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
ADR tank code :
ADR tanks special provisions :
Vehicle for tank carriage :
ADR Transport category :
ADR Tunnel restriction code :
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V14
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard Identification No. :

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

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SECTION 15 - Regulatory information

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

Components in the list of Reach candidates None

Components in Annex XIV None

Components in Annex XVII None

VOC content 91,6 %

15.2. - Chemical safety assessment

SECTION 16 - Other information

SDS versions

Version No.	Date of issue	Description of the amendments
1	27/07/2016	

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhal.), Category 4
Aerosol 1	Aerosols, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation - Category 2A
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H340	May cause genetic defects - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard

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H350	May cause cancer - state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Press. Gas	Gases under pressure
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity - Repeated exposure, Category 2
STOT SE 3 (H335)	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation
STOT SE 3 (H336)	Specific target organ toxicity - Single exposure, Category 3, Respiratory tract irritation

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