

SAFETY DATA SHEET

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II
as amended by COMMISSION REGULATION (EU) No 2020/878

Revision date 03-Jan-2022

Issue date 20-Jan-2017

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

1.1. Product identifier

Product name	Cold Galvanizing Spray
Product Code	C0400GRC

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

Use of the substance/mixture	Galvanizing Spray
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1.3. Details of the supplier of the safety data sheet

Supplier:	Huzhou Guoneng New Material Co., Ltd
Address:	No. 1518 Mengxi Road, Huzhou, Zhejiang China.
Postal code:	313000
Tel:	86-572-2352225
E-mail:	sales@visbella.com

1.4. Emergency telephone number

Emergency number	86-572-2352225
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

GASES UNDER PRESSURE-Compressed gas	H280 Contains gas under pressure; may explode if heated.
FLAMMABLE AEROSOLS-Category 1	H222–H229 Extremely flammable aerosol. Pressurized container. May burst if heated.
ACUTE TOXICITY(ORAL) -Category 4	H302, H312, H332 Harmful if swallowed., Harmful in contact with skin., Harmful if inhaled.
SKIN CORROSION/IRRITATION-Category 2	H315 Causes skin irritation.
EYE IRRITATION-Category 2A	H319 Causes serious eye irritation.
SPECIFIC TARGET ORGAN TOXICITY(SINGLE EXPOSURE)(Narcotic effects)-Category 3	H336 May cause drowsiness or dizziness

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008)

Symbols/Pictograms



Signal word	Danger
Hazard Statements	<p>H280 Contains gas under pressure; may explode if heated.</p> <p>H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.</p> <p>H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H336 May cause drowsiness or dizziness.</p>
Precautionary Statements	<p>P102 Keep out of reach of children</p> <p>P103 Read Label before use.</p> <p>P210 Keep away from heat/sparks/open flames/hot surfaces.-No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Pressurized container: Do not pierce or burn, even after use.</p> <p>P260 Do not breathe mist/vapors spray.</p> <p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P271 Use outdoors or in a well-ventilated area.</p> <p>P281 Use personal protective equipment as required.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P305+P338+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses, if present and easy to do. Continue rinsing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.1. Mixtures

Ingredient	CAS NO.	Concentration%
Zinc powder	7440-66-6	55-75
DME	115-10-6	30-40
2-Butoxyethyl acetate	112-07-2	1-5
Butyl acetate	123-86-4	1-5

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general :	Seek medical attention if ill effect develops
First-aid measures after inhalation :	Take victim to fresh air, in a quiet place, in an half laying position

First-aid measures after skin contact : and if necessary take medical advice. Allow the victim to rest. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain medical attention if pain, blinking, tears or redness persist.

First-aid measures after ingestion : Consult a doctor/medical service if you feel unwell. Do not induce vomiting.

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

Symptoms/injuries: Suspected of damaging fertility or the unborn child. Causes damage to organs

Symptoms/injuries after inhalation: Dizziness. Irritation of the respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Shortness of breath. May cause drowsiness or dizziness

Symptoms/injuries after skin contact: Itching. Red skin. Causes skin irritation

Symptoms/injuries after eye contact: May cause severe irritation. Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue. Causes serious eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

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

No further relevant information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2), dry chemical powder, foam. Water fog.

Unsuitable extinguishing media Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustion generates: CO, CO2.

Explosion hazard : Aerosol tins involved in fire may rupture and become projectiles.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

Other information : Prevent fire fighting water from entering the environment. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedure

General measures:

No open flames. No smoking. Isolate from fire,if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges

6.1.1. For non-emergency personnel

Protective equipment :

When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required. Use protective clothing.

Emergency procedures :

Consider evacuation.

6.1.2. For emergency responder

Protective equipment:

Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray.

Emergency procedures:

Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

6.3. Methods and material for containment and cleaning up

For containment:

Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.

Methods for cleaning up:

Store away from other materials.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed:

Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Obtain special instructions . Do not handle until all safety precautions have been read and understood. Avoid breathing dust,fume,gas,mist,vapor spray. Use only outdoors or in a well-ventilated area

Hygiene measures:

Remove contaminated clothes. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Always wash hands after handling the product. Wash affected areas thoroughly after handling. Separate working clothes from town clothes. Launder separately. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

Comply with applicable regulations. Proper grounding proceduresto avoid static electricity should be followed.

Storage conditions:

Keep only in the original container in a cool, well ventilated place away from : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed.

Incompatible products:

Strong bases. Strong acids.

Incompatible materials:

Sources of ignition. Direct sunlight. Heat sources.

Storage area:

Store in a well-ventilated place.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	OSHA PEL	ACGIH
n-Butyl acetate 123-86-4	TWA:150ppm(710mg/m3)	TWA:150ppm(713mg/m3) STEL:200ppm(950 mg/m3)
2-Butoxyethyl acetate 112-07-2	TWA:5ppm	TWA:5ppm(33mg/m3)

8.2.Engineering Controls:

Appropriate engineering controls:

Local exhaust venilation, vent hoods.Ensure good ventilationof the work station.

Personal protective equipment:

Gloves. Safety glasses. Avoid all unnecessary exposure.



Materials for protective clothing:

GIVE EXCELLENT RESISTANCE:

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

Where exposure through inhalation may occur from use,respiratory protection equipment is recommended.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Aerosol tank(Contain liquid)
Odour:	Characteristic
pH-value:	6-7
Melting point/Melting range:	Undetermined
Freezing point/°C:	No data available
Boiling point/°C:	>60°C
Flash point:	14°C(Closed Cup)/°C
Auto-ignition temperature:	No data available
Flammability (solid, gaseous):	No data available
Decomposition temperature:	No data available
Vapour Pressure:	No data available
Relative vapor density:	No data available
Relative density:	No data available
Density:	0.80-0.98
Solubility:	No data availabe
Partition coefficient:	Not applicable
Auto-ignition temperature:	No data availabe

Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Overheating. Direct sunlight. Keep away from sources of ignition - No smoking

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) :	Not classified
Acute toxicity (dermal) :	Not classified
Acute toxicity (inhalation) :	Not classified
Skin corrosion/irritation :	May Cause skin irritation.
Additional information :	Based on available data, the classification criteria are not met
Serious eye damage/irritation :	Not classified
Additional information :	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation :	Not classified
Additional information :	Based on available data, the classification criteria are not met.
Germ cell mutagenicity :	Not classified
Additional information :	Based on available data, the classification criteria are not met.
STOT-single exposure :	Not classified
Additional information :	Based on available data, the classification criteria are not met.
STOT-repeated exposure :	Not classified
Additional information :	Based on available data, the classification criteria are not met.
Aspiration hazard :	Not classified.
Additional information :	Based on available data, the classification criteria are not met
Potential adverse human health	Based on available data, the classification criteria are not met.

effects and symptoms:

Other information:

Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products. Likely route of exposure: ingestion, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) :

Disposal must be done according to official regulations.

Waste disposal recommendations :

Dispose in a safe manner in accordance with local/national regulations. Do not discharge into drains or the environment.

Additional information :

Hazardous waste.

Ecology - waste materials :

Avoid release to the environment

SECTION 14: Transport information

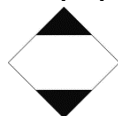
In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

DOT, ADR, IMDG, IATA

1950

14.2. UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3gal).

DOT

AEROSOLS, Limited Quantity

ADR

AEROSOLS, Limited Quantity

IMDG

AEROSOLS, Limited Quantity

IATA

AEROSOLS, Flammable, Limited Quantity

14.3. Transport hazard class(es)

DOT class

2.1

ADR/RID class

2.1

ADR/RID classification code

5F

ADR/RID label

2.1

IMDG class

2.1

IATA class/division

2.1

Placards



14.4. Packing group

None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

None

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

SECTION 15: Regulatory information

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

The product is classified and labelled according to Regulation(EC) No 1272/2008.

15.2. Chemical safety assessment

No additional information available.

SECTION 16: Other information

Revision Date	03-Jan-2022
Issue Date	20-Jan-2017
Revision Note	Not applicable

Reference Standard

EC No.1907/2006(REACH), EC No.1272/2008(CLP).

Full text of H-,R-Statements referred to under section2 and 3

H220	Extremely flammable gas.
H225	Highly 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.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
R12	Extremely flammable.
R22	Harmful if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Abbreviations and Acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstracts Service
EINECS:	European Inventory of Existing Commercial Chemical Substances
IMO:	International Maritime Organization
IBC code:	International Bulk Chemical Code
IMDG:	International Maritime Dangerous Goods
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
LD50/LC50:	Lethal Dose/Concentration for 50% of a population
MARPOL:	International Convention for the Prevention of Pollution From Ships
OSHA:	Occupational Safety and Health Administration
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID:	Regulations concerning the International Carriage of Dangerous Goods by Rail
TSCA:	Toxic Substances Control Act

Disclaimer

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