

Zinc Metal Pigment Safety Data Sheet This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Issue date: 05/16/2017

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Supersedes: 02/11/2020

Version: 5.1

1.1 Identification Product form : Substance Product form : Zinc Metal Pignent Product code : 30000003828 Synonyms : 24P61; 4P32; 4P34; 4P463; MP20 : EEFF; EE/C; EE/RS; ZP80 : Microline ; GMO BZM-1; BZM-2; PMC: MC: MM: ERS; Standard 7 EF; Stand					
1.1. Identification : Substance Product form : Substance : Zinc. Metal Pigment Product code : 300000003628 Synonyms : Substance Synonyms : Substance : Substance : Substance Synonyms : Substance : Substance : Substance Use of the substance/mixture : Substance : Substance : Substance Use of the substance/mixture : Nanufacture of substances : Substance : Substance Paints Manufacture of substances : Substance : Substance : Substance Restrictions on use : None known : Substance : Substance : Substance 1.3. Supplier : Africa and Middle East: +44 1865 407337 Asia Pacific: Australia: +61 2.8014 4559, China: 4 Think MSDS & greveranc.com : Africa and Middle East: +44 1865 407337 Asia Pacific: Australia: +61 2.8014 4559, China: 4 1.4. Emergency telephone number : Africa and Middle East: +44 1865 407337 Asia Pacific: Australia: +61 2.8014 4559, China: 4 Emergency number : Africa and Middle East: +44 1865 407337 Asia Pacific: Australia: +61 2.8014 4559, China: 4 Substance : Africa and Middle East: +44 1865 407333 Siz Europe: +44 125 2.307006 / South	SECTION 1: Identification				
Trade name : Zinc Metal Pigment Product code : 30000003628 Synonyms ::::::::::::::::::::::::::::::::::::					
Product code : 300000003283 Synonyms : 4Pi6, 4P32; 4P64; 4P64; MP20; EF/F; EF/C, EF/RS; ZP80; Microfine; GMQ BZM-1; Super Fine EP, Standard 7 EP, Standar		: Substance			
Synoryms : 4P16; 4P22; 4P64; MP20; EEF; EEC; EERS; 2P09; Microline; GNA BZM-2; KNC, KME, ERS; Standard 5, EP, Standard 5, EP, Standard 7, EP, ZMP STANDARD 7-EP-1; ZMP STANDARD 7-ZP-1; ZMP STANDARD 7-ZP-1; ZMP STANDARD 7	Trade name	: Zinc Metal Pig	gment		
BZM-2; FMC; MC; KMK; ERS; Standard 7 EP; ZMP STANDAR 7-EP.2; ZMP STANDAR 7-	Product code	: 3000000362	8		
Use of the substance/mixture : Manufacture of substances prints Recommended use : Paints Restrictions on use : None known 1.3. Supplier : EverZine Belgium - ZMP Restrictions on use : 1.4. Emergency telephone number : Emergency telephone number : : Emergency number : : : Vora:: : : : : Score:: : : : : : Vora:: :	Synonyms	BZM-2; FMC; Super Fine El	MC; MM; ERS; Standard 7 EP; S P; Standard 5 EP ; Standard 7 EP	tandard 5 EP; Super ; ZMP STANDARD	-fine; Super Extra EP ; 7-EP-L ; ZMP STANDARE
Paints Recommended use Paints, Manufacture of substances Restrictions on use None known 1.3. Supplier None known 1.3. Supplier EverZinc Belgium - ZMP EverZinc Belgium - ZMP Rue de l'Economie, 4 Loncin, A431 - Belgium T-s24 22 902 Into MSDS @ everzine.com 14. Emergency telephone number É Africa and Middle East: +44 1865 407333/ Asia Paoffic: Australia: +61 2 8014 4558, China: 4 Tasy 22 902 207 Into MSDS @ everzine.com 1.4. Emergency telephone number É Africa and Middle East: +44 1865 40733/ Asia Paoffic: Australia: +61 2 8014 4558, China: 4 Emergency number É Africa and Middle East: +44 1865 407333 (Asia Paoffic: Australia: +61 2 8014 4558, China: 4 120 8011 (toll-free number), Malaysia: +60 3 6207 4347, Philippines: +63 2 8231 2149, Sout Korea: +82 2 3479 8401, Rest of Asia Paoffic: Australia: +61 2802 100001 Nuch Korea: +42 1865 407333 24 Hours 7 days/week Country Organization/Company Address Emergency number Commont USA Indiana Poison Center 1900 222 1222 Indiana Poison Center *Not classification Not classification SECTION 2: Label elements, including precautionary statements I 8000 222 1222 2.1. Classification of the sub	1.2. Recommended use and re	strictions on use			
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Supplier EverZinc Belgium - ZMP Rue de l'Economie, 4 Loncin, 4431 - Belgium 1 + 32 42 90 22 07 InfoMSDS 82 everzinc.com 14. Emergency telephone number Energency telephone number Africa and Middle East: +44 1865 407333/ Asia Pacific: Australia: +61 2 8014 4558, Chia: 4 120 6011 (toll-free number), Malaysia: +60 3 6207 4347, Philippines: +63 2 8231 2149, Sout Korea: +82 2 3479 8401, Rest of Asia Pacific: +44 1865 407333 2 Europe: +44 1235 238670/ North America: Chie, +56 2 2682 9336, Rest of South America: +142 1865 407333 2 Country Organization/Company Address Emergency number Comment USA Indiana Poison Center - Methodist Hospital 1701 N Sensibe Bvid 48022 Indianapolis 1 800 222 1222 Comment SECCTION 2: Hzzard(S) Identification - Methodist Hospital 1 800 222 1222 Comment Comment Address Emergency number Comment Comment USA Indiana Poison Center - Methodist Hospital 101 N Sensibe Bvid 46022 Indianepolis 1 800 222 1222 Comment SECTION 2: Hzzard(S) Identification Not classified Competition/Information colspan="2">Emergency number Combine Mathodia Information available Za. Other hazards which do not res	Recommended use	: Paints, Manuf	acture of substances		
EverZinc Belgium - ZMP Rue de l'Economie, 4 Loncin, 443 1 Belgium T 432 42 90 22 07 Inflo MSDS & VerZinc Com 1.4. Emergency number Emergency number E	Restrictions on use	: None known			
EverZinc Belgium - ZMP Rue de l'Economie, 4 Loncin, 443 1 Belgium T - 32 42 90 22 07 Inflo MSDS2 @verzinc.com 1.4. Emergency number Emergency number	1.3. Supplier				
Emergency number Africa and Middle East: +44 1865 407333 / Asia Pacific: Australia: +61 2 8014 4558, China: 4 120 6011 (toll-free number), Malaysia: +60 3 6207 4347, Philippines: +63 2 8231 2149, South Korea: +82 2 3479 8401, Rest of Asia Pacific: +44 1865 407333 Europe: +44 123 239670/ North America: Mexico: +52 25 5004 8763, Rest of North America: +1215 207 0061/ South America: +14 1865 407333 24 Hours 7 days/week Indiana Poison Center 1701 N Senate Bivd 1 800 222 1222 Comment USA Indiana Poison Center 1701 N Senate Bivd 1 800 222 1222 Comment SECTION 2: Hazard(s) identification Room 8402 1 800 222 122 Comment Comment 2.1. Classification Classification Not classified Second and se	Rue de l'Economie, 4 Loncin, 4431 - Belgium T +32 42 90 22 07				
120 6011 (toll-free number), Malaysia: +60 3 6207 4347, Philippines: +63 2 8231 2149, South Korea: +82 2 3479 8401, Rest of Asia Pacific: +44 1865 407333/ Europe: +44 1235 239670/ North America: Chile. +56 2 2582 9336, Rest of South America: +125 207 0061/ South America: Chile. +56 2 2582 9336, Rest of South America: +44 1865 407333 Country Organization/Company Address Emergency number Comment USA Indiana Poison Center 1701 N Sanate Bivd 1 800 222 1222 .Methodist Hospital 1701 N Sanate Bivd 48002 Indianapolis 1 800 222 1222 SECTION 2: Hazard(s) identification 48002 Indianapolis 1 800 222 1222 SECTION 2: Hazard(s) identification 48002 Indianapolis 1 800 222 1222 SECTION 2: Hazard(s) identification 8802 Indianapolis 1 800 222 1222 SECTION 2: Hazard(s) identification 8802 Indianapolis 1 800 222 1222 Section of the substance or mixture GHS US classification <	1.4. Emergency telephone num	nber			
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Safety Data Sheet

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SECTION 4: First aid massures	
SECTION 4: First-aid measures	
4.1. Description of first aid measures	. First sider: Day attention to self protection
-	: First aider: Pay attention to self-protection!.
	: Remove person to fresh air and keep comfortable for breathing.
	: Wash skin with soap and water.
-	 Rinse eyes with water as a precaution. Call a poison center/doctor/physician if you feel unwell.
-	
4.2. Most important symptoms and effects	s (acute and delayed)
No additional information available	
4.3. Immediate medical attention and spec	cial treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measures	
5.1. Suitable (and unsuitable) extinguishing	ng media
Suitable extinguishing media	: Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
5.2. Specific hazards arising from the che	mical
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Special protective equipment and pre	ecautions for fire-fighters
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release measure	ures
6.1. Personal precautions, protective equ	ipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area.
6.1.2. For emergency responders	
	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment. Do not allow to	enter into surface water or drains.
6.3. Methods and material for containment	it and cleaning up
	: Collect spillage.
Methods for cleaning up	: Mechanically recover the product.
•	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
· · · · ·	· Ensure good ventilation of the work station. Wear parsonal protective equipment
•	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the
	product.
7.2. Conditions for safe storage, including	
-	: Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep cool. Protect from heat and direct sunlight.
Incompatible materials	: Keep away from oxidizers, strong acids and strong bases.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

zinc, powder or dust, stabilized, non pyrophorous (7440-66-6)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:

Wear protective clothing

Hand protection:

Туре	Material	Permeation	Thickness (mm)	Penetration
Protective gloves	butyl rubber			

Eye protection:

Туре	Use	Characteristics
Safety glasses		With side shields

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties Information on basic physical and chemical properties 9.1. Physical state : Solid Appearance : Powder. Color : Gray Odor : odorless Odor threshold : Not applicable pН : Not applicable : 420 °C Melting point Freezing point : No data available : 908 °C Boiling point Flash point : No data available Relative evaporation rate (butyl acetate=1) : Not applicable Flammability (solid, gas) : Combustible. Vapor pressure : Not applicable Relative vapor density at 20 °C : Not applicable Relative density : No data available Specific gravity / density : 7.14 g/cm³ : insoluble in water. Solubility : Not applicable Partition coefficient n-octanol/water (Log Pow) Not applicable Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available

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Explosion limits	: 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 reac	tivity
10.1. Reactivity	
Contact with water liberates flammable ga	ases. Self-heating; may catch fire.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reac	tions
Dust may form explosive mixture in air. Re flammable gases which may ignite sponta	eacts with water (moisture): release of highly flammable gases/vapors hydrogen. In contact with water releas aneously.
10.4. Conditions to avoid	
Moisture. Heat. flames. sparks. Avoid dus	st formation. Water, humidity.
10.5. Incompatible materials	
Keep away from oxidizers, strong acids a	nd strong bases.
10.6. Hazardous decomposition pro	oducts
	oducts ise, hazardous decomposition products should not be produced.
Under normal conditions of storage and u	se, hazardous decomposition products should not be produced.
Under normal conditions of storage and u SECTION 11: Toxicological info	ise, hazardous decomposition products should not be produced.
Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological e	ise, hazardous decomposition products should not be produced.
Under normal conditions of storage and u SECTION 11: Toxicological info	ise, hazardous decomposition products should not be produced. prmation effects
Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological e Acute toxicity (oral)	ise, hazardous decomposition products should not be produced.
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Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological of Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) zinc, powder or dust, stabilized, non LD50 oral rat	Ise, hazardous decomposition products should not be produced.
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Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological of Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Zinc, powder or dust, stabilized, non p LD50 oral rat Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization	Ise, hazardous decomposition products should not be produced.
Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological of Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Zinc, powder or dust, stabilized, non p LD50 oral rat Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity	Ise, hazardous decomposition products should not be produced.
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Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological of Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Zinc, powder or dust, stabilized, non p LD50 oral rat Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure	Isse, hazardous decomposition products should not be produced.
Under normal conditions of storage and u SECTION 11: Toxicological info 11.1. Information on toxicological of Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation) Zinc, powder or dust, stabilized, non p LD50 oral rat Skin corrosion/irritation	see, hazardous decomposition products should not be produced.

12.1. TOXICITY	
Ecology - general	: Very toxic to aquatic life with long lasting effects.
Ecology - water	: Toxic to aquatic life.
zinc, powder or dust, stabilize	ed, non pyrophorous (7440-66-6)
LC50 fish 1	0.169 mg/l (Other, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Zinc ion)

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zinc, powder or dust, stabilized, non pyropho	rous (7440-66-6)		
EC50 Daphnia 1	416 μg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Ceriodaphnia dubia, Stati system, Fresh water, Experimental value)		
ErC50 (algae) 0.15 mg/l			
2.2. Persistence and degradability			
zinc, powder or dust, stabilized, non pyropho	rous (7440-66-6)		
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
BOD (% of ThOD)	Not applicable		
2.3. Bioaccumulative potential			
2.3. Bioaccumulative potential Partition coefficient n-octanol/water (Log Pow)	Not applicable		
· · · · ·	Not applicable Not applicable		
Partition coefficient n-octanol/water (Log Pow)	Not applicable		
Partition coefficient n-octanol/water (Log Pow) Partition coefficient n-octanol/water (Log Kow)	Not applicable		
Partition coefficient n-octanol/water (Log Pow) Partition coefficient n-octanol/water (Log Kow) zinc, powder or dust, stabilized, non pyropho	Not applicable rous (7440-66-6)		
Partition coefficient n-octanol/water (Log Pow) Partition coefficient n-octanol/water (Log Kow) zinc, powder or dust, stabilized, non pyropho BCF fish 1	Not applicable rous (7440-66-6) 0.002 (40 day(s), Danio rerio, Semi-static system, Fresh water, Read-across)		
Partition coefficient n-octanol/water (Log Pow) Partition coefficient n-octanol/water (Log Kow) zinc, powder or dust, stabilized, non pyropho BCF fish 1 Bioaccumulative potential	Not applicable rous (7440-66-6) 0.002 (40 day(s), Danio rerio, Semi-static system, Fresh water, Read-across) Bioaccumulation: not applicable.		

No additional information available

SECTION 13: Disposal consider	ations
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport informa	tion
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN3077 Environmentally hazardous substances, solid, n.o.s. (zinc ; zinc oxide), 9, III
UN-No.(DOT)	: UN3077
Proper Shipping Name (DOT)	: Environmentally hazardous substances, solid, n.o.s.
	zinc ; zinc oxide

Class (DOT) Packing group (DOT) Hazard labels (DOT)

Marine pollutant

DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)

- : 9 Class 9 Miscellaneous hazardous material 49 CFR 173.140
- : III Minor Danger
- : 9 Class 9 (Miscellaneous dangerous materials)



: Yes (IMDG only)



: 213

: 240

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This document has been prepared in accordance with the	SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
DOT Symbols	: G - Identifies PSN requiring a technical name
	 G - Identifies PSN requiring a technical name 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision BS4 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substance, as odid, n.o.s." UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging. 384 - For transportation by motor vehicle, substances meeting the conditions for high viscosity flammable liquids as prescribed in §173.121(b/1)(0, (b)(1)(ii), and (b)(1)(iv) of this subchapter, may be reassigned to Packing Group II under the following conditions: A112 - Notwithstanding the quantity limits shown in Column (9A) and (9B) for this entry, the following IBCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg: a. Metal: 11A, 11B, 11N, 21A, 21B and 21N b. Rigid plastics: 11H1, 11H2, 21H1 and 21H2 c. Composite with plastic inner receptacle: 11H21, 11H22, 21HZ1 and 21HZ2 d. Fiberboard: 11G e. Wooden: 11C, 11D and 11F (with inner liners) f. Flexible: 13H2, 13H3, 13H4,
	or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 155
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No limit
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 171
Other information	: No supplementary information available.
Transportation of Dangerous Goods	
Transport document description	: UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc ; zinc oxide), 9, III

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· · ·	the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
UN-No. (TDG)	
Proper Shipping Name (Transportation of Dangerous Goods)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
TDG Primary Hazard Classes	: 9 - Class 9 - Miscellaneous Products, Substances or Organisms
Packing group	: III - Minor Danger
TDG Special Provisions	 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, SOLID, TOXIC, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (f) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 kg of UN3077, ENVIRONMENTALLY HA
Explosive Limit and Limited Quantity Index	: 5 kg
Transport by sea	
Transport document description (IMDG)	: UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc), 9, III, MARINE POLLUTANT
UN-No. (IMDG)	: 3077
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 kg
MFAG-No	171
Marine pollutant	: Yes (IMDG only)
Air transport	
Transport document description (IATA) UN-No. (IATA)	: UN 3077 Environmentally hazardous substance, solid, n.o.s. (zinc ; zinc oxide), 9, III : 3077
Dropor Chipping Name (IATA)	Environmentally bezerdeus substance calid n.e.s.

- : 3077
- : Environmentally hazardous substance, solid, n.o.s.
- : 9 Miscellaneous Dangerous Goods
- : III Minor Danger

Class (IATA)

Packing group (IATA)

Proper Shipping Name (IATA)

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SECTION 15: Regulatory information
15.1. US Federal regulations
Listed on the United States TSCA (Toxic Substances Control Act) inventory
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S

zinc, powder or dust, stabilized, non pyrophorous		CAS-No. 7440-66-6	≤ 100%	
Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.				
zinc, powder or dust, stabilized, non pyrophorous		CAS-No. 7440-66-6	≤ 100%	
zinc, powder or dust, stabilized, non pyrophorous (7440-66-6)				
CERCLA RQ	1000 lb			

15.2. International regulations

CANADA

Listed on the Canadian DSL (Domestic Substances List)		
zinc, powder or dust, stabilized, non pyrophorous (7440-66-6)		
Listed on the Canadian DSL (Domestic Substances List)		

EU-Regulations

National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)				
	Listed on NZIoC (New Zealand Inventory of Chemicals)			
Not listed on the Japanese ENCS (Existing & New Chemical Substances) inventory				
	Listed on KECI (Korean Existing Chemicals Inventory)			
	Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)			
	Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)			
	Not listed on the Japanese ISHL (Industrial Safety and Health Law)			

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Revision date

: 08/28/2020

Abbreviations and acronyms:

Safety Data Sheet

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ACGIH	American Conference of Government Industrial Hygienists			
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE Acute Toxicity Estimate				
BCF	Bioconcentration factor			
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
DPD	Dangerous Preparations Directive 1999/45/EC			
DSD	Dangerous Substances Directive 67/548/EEC			
IARC	International Agency for Research on Cancer			
EC50	Median effective concentration			
ΙΑΤΑ	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
OECD	Organisation for Economic Co-operation and Development			
OEL	Occupational Exposure Limits			
OSHA	Occupational Safety & Health Administration			
РВТ	Persistent Bioaccumulative Toxic			
PNEC	Predicted No-Effect Concentration			
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006			
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail			
SDS	Safety Data Sheet			
STP	Sewage treatment plant			
TLM	Median Tolerance Limit			
TWA	Time Weighted Average			
BLV	Biological limit value			
CAS-No. Chemical Abstract Service number				
EC-No.	European Community number			
EN	European Standard			
vPvB Very Persistent and Very Bioaccumulative				
WGK	Water Hazard Class			

Indication of changes:

Section	Changed item	Change	Comments
	Proper Shipping Name - Addition (DOT)	Modified	
1	Product form	Modified	

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.