

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 02/22/2022

Reviewed on 02/22/2022

1 Identification

- **Product Identifier**
- **Trade Name:** 8-3-4-360-CIT
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Fertilizer
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Florikan ESA, LLC
6801 Energy Ct. Suite 100
Sarasota, FL 34234
Ph: 941-379-4048 ext 332
Fax: 941-377-3633
Email product info: Doug Cabe; dcabe@florikan.com
- **Emergency telephone number:** Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

www.Florikan.com

* 2 Hazard(s) Identification

- **Classification of the substance or mixture:**
Aquatic Acute 2 H401 Toxic to aquatic life.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:**
H401 Toxic to aquatic life.
- **Precautionary statements:**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
14.9 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = *0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 13397-24-5	Gypsum (Calcium sulfate)	2-12%
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Trade Name: 8-3-4-360-CIT

CAS: 7487-88-9 RTECS: OM 4500000	Magnesium Sulphate ⚠ Specific Target Organ Toxicity - Single Exposure 3, H335	2-12%
CAS: 1309-48-4	Magnesium Oxide ⚠ Acute Toxicity - Oral 4, H302	2-12%
CAS: 7720-78-7 RTECS: NO 8510000	iron sulphate ⚠ Acute Toxicity - Oral 4, H302; Skin Irritation 2, H315; Eye Irritation 2A, H319	2-12%
CAS: 7785-87-7	Manganese Sulphate ⚠ Specific Target Organ Toxicity - Repeated Exposure 2, H373	2-12%
CAS: 7783-20-2 RTECS: BS 4500000	Ammonium Sulfate ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	≤2.5%
CAS: 12179-04-3	borax pentahydrate ⚠ Toxic to Reproduction 1B, H360; ⚠ Acute Toxicity - Inhalation 4, H332; Eye Irritation 2B, H320 Specific concentration limit: Toxic to Reproduction 1B; H360: C ≥ 6.5 %	≤2.5%
CAS: 10034-96-5 RTECS: OP0893500	Manganese(II) Sulfate Monohydrate ⚠ Specific Target Organ Toxicity - Repeated Exposure 2, H373; ⚠ Specific Target Organ Toxicity - Single Exposure 3, H335; Aquatic Acute 2, H401	≤2.5%
CAS: 7440-66-6 RTECS: ZG 8600000	Zinc ⚠ Pyrophoric Solids 1, H250; Substances and mixtures which, in contact with water, emit flammable gases 1, H260; ⚠ Aquatic Acute 1, H400; ⚠ Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335; Eye Irritation 2B, H320	≤2.5%
CAS: 7446-19-7 RTECS: ZH 5300000	Zinc sulfate monohydrate ⚠ Eye Damage 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity - Oral 4, H302	≤2.5%
CAS: 7646-85-7 RTECS: ZH 1400000	Zinc Chloride ⚠ Skin Corrosion 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity - Oral 4, H302 Specific concentration limit: Specific Target Organ Toxicity - Single Exposure 3; H335: C ≥ 5 %	≤2.5%
CAS: 7758-99-8 RTECS: GL 8800000	Copper Sulfate Pentahydrate ⚠ Eye Damage 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); ⚠ Acute Toxicity - Oral 4, H302	≤2.5%
CAS: 7733-02-0	Zinc Sulphate (anhydrous) ⚠ Eye Damage 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity - Oral 4, H302	≤2.5%
CAS: 1314-13-2 RTECS: ZH 4810000	Zinc Oxide ⚠ Aquatic Acute 1, H400	≤2.5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

General information: If symptoms persist, call a physician.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

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In case of unconsciousness place patient stably in the side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally, the product does not irritate the skin.

If skin irritation occurs, consult a doctor.

· **After eye contact:**

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

· **After swallowing:** If swallowed and symptoms occur, consult a doctor.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

5 Fire-Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** No further relevant information.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Advice for firefighters**

· **Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:** Not required.

· **Environmental precautions:**

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

Dilute with plenty of water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **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.

· **PAC-1:**

10124-37-5	Calcium Nitrate	1.2 mg/m ³
7487-88-9	Magnesium Sulphate	20 mg/m ³
1317-61-9	Iron Oxide	21 mg/m ³
1309-48-4	Magnesium Oxide	30 mg/m ³
7720-78-7	iron sulphate	8.2 mg/m ³
7785-87-7	Manganese Sulphate	8.2 mg/m ³
7783-20-2	Ammonium Sulfate	13 mg/m ³
10034-96-5	Manganese(II) Sulfate Monohydrate	9.2 mg/m ³
1313-13-9	Manganese Dioxide	4.7 mg/m ³

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7440-66-6	Zinc	6 mg/m ³
7646-85-7	Zinc Chloride	2 mg/m ³
7758-99-8	Copper Sulfate Pentahydrate	12 mg/m ³
7733-02-0	Zinc Sulphate (anhydrous)	15 mg/m ³
1314-13-2	Zinc Oxide	10 mg/m ³
7631-95-0	Sodium Molybdate	3.2 mg/m ³

· PAC-2:

10124-37-5	Calcium Nitrate	13 mg/m ³
7487-88-9	Magnesium Sulphate	220 mg/m ³
1317-61-9	Iron Oxide	230 mg/m ³
1309-48-4	Magnesium Oxide	120 mg/m ³
7720-78-7	iron sulphate	41 mg/m ³
7785-87-7	Manganese Sulphate	14 mg/m ³
7783-20-2	Ammonium Sulfate	140 mg/m ³
10034-96-5	Manganese(II) Sulfate Monohydrate	15 mg/m ³
1313-13-9	Manganese Dioxide	7.9 mg/m ³
7440-66-6	Zinc	21 mg/m ³
7646-85-7	Zinc Chloride	800 mg/m ³
7758-99-8	Copper Sulfate Pentahydrate	32 mg/m ³
7733-02-0	Zinc Sulphate (anhydrous)	97 mg/m ³
1314-13-2	Zinc Oxide	15 mg/m ³
7631-95-0	Sodium Molybdate	17 mg/m ³

· PAC-3:

10124-37-5	Calcium Nitrate	79 mg/m ³
7487-88-9	Magnesium Sulphate	1,300 mg/m ³
1317-61-9	Iron Oxide	1,400 mg/m ³
1309-48-4	Magnesium Oxide	730 mg/m ³
7720-78-7	iron sulphate	250 mg/m ³
7785-87-7	Manganese Sulphate	430 mg/m ³
7783-20-2	Ammonium Sulfate	840 mg/m ³
10034-96-5	Manganese(II) Sulfate Monohydrate	90 mg/m ³
1313-13-9	Manganese Dioxide	690 mg/m ³
7440-66-6	Zinc	120 mg/m ³
7646-85-7	Zinc Chloride	4,800 mg/m ³
7758-99-8	Copper Sulfate Pentahydrate	190 mg/m ³
7733-02-0	Zinc Sulphate (anhydrous)	580 mg/m ³
1314-13-2	Zinc Oxide	2,500 mg/m ³
7631-95-0	Sodium Molybdate	100 mg/m ³

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7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

13397-24-5 Gypsum (Calcium sulfate)	
REL	Long-term value: 10* 5** mg/m ³ *Total dust; **Respirable fraction
TLV	Long-term value: 10* mg/m ³ *as inhalable fraction
1309-48-4 Magnesium Oxide	
PEL	Long-term value: 15* mg/m ³ fume; *total particulate
TLV	Long-term value: 10* mg/m ³ *as inhalable fraction, A4
7720-78-7 iron sulphate	
REL	Long-term value: 1 mg/m ³ as Fe
TLV	Long-term value: 1 mg/m ³ as Fe
12179-04-3 borax pentahydrate	
REL	Long-term value: 1 mg/m ³
TLV	Short-term value: 6* mg/m ³ Long-term value: 2* mg/m ³ *as inhalable fraction, A4
7646-85-7 Zinc Chloride	
PEL	Long-term value: 1 mg/m ³ Fume

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REL	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³
TLV	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³ fume

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

· **Material of gloves:** Not applicable.

· **Penetration time of glove material:** Not applicable.

· **Eye protection:**



Goggles recommended during refilling.

· **Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.

Avoid release into the environment.

9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Granulate

Color:

Grey

· **Odor:**

Slight

· **Odor threshold:**

Not determined.

· **pH-value:**

Not determined.

· **Change in condition**

Melting point/Melting range:

Not determined.

· **Flash point:**

None

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

Not applicable

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not self-igniting.

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- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Fully miscible.
Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - VOC content:** 0.00 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

10124-37-5 Calcium Nitrate

Oral	LD50	3,900 mg/kg mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

13397-24-5 Gypsum (Calcium sulfate)

Oral	LD50	>2,000 mg/kg (Rat)
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7487-88-9 Magnesium Sulphate

Oral	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>2,000 mg/l (Rabbit)
	LC50/96 hours	2,820 mg/l (Pimephales)

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1309-48-4 Magnesium Oxide		
Oral	LD50	810 mg/kg (Mouse)
7720-78-7 iron sulphate		
Oral	LD50	1,520 mg/kg (Mouse)
7785-87-7 Manganese Sulphate		
Oral	LD50	2,150 mg/kg (Rat)
7783-20-2 Ammonium Sulfate		
Oral	LD50	2,840 mg/kg (Rat)
Inhalative	LC50/96 hours	36.7 mg/l (Trout)
		433 mg/l (Water flea)
7440-66-6 Zinc		
Oral	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>5,410 mg/l (Rat)
7446-19-7 Zinc sulfate monohydrate		
Oral	LD50	2,150 mg/kg (Rat)
7646-85-7 Zinc Chloride		
Oral	LD50	350 mg/kg (Rat)
7758-99-8 Copper Sulfate Pentahydrate		
Oral	LD50	300 mg/kg (Rat)
1314-13-2 Zinc Oxide		
Oral	LD50	7,950 mg/kg (Rat)
Inhalative	LC50/96 hours	1.1 mg/l (Trout)
		2,500 mg/l (Mouse)
12179-04-3 borax pentahydrate		
Oral	LD50	3,305 mg/kg (Rat)
Inhalative	LC50/4 h	>2 mg/l (Rat)

· **Primary irritant effect:**

· **On the skin:** Irritant to skin and mucous membranes.

· **On the eye:** No irritating effect.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

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12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

7487-88-9 Magnesium Sulphate	
EC50	2,700 mg/l (Green algae) 343.56 mg/l (Water flea)
7646-85-7 Zinc Chloride	
EC50	0.2 mg/l (Water flea) 10 mg/l (Zebra fish)
1314-13-2 Zinc Oxide	
EC50	0.098 mg/l (Daphnia)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, IMDG, IATA** Non-Regulated Material
- **ADR/ADN** UN-

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- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

* 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

7720-78-7	iron sulphate
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· **Section 313 (Specific toxic chemical listings):**

10124-37-5	Calcium Nitrate
7785-87-7	Manganese Sulphate
7783-20-2	Ammonium Sulfate
11129-60-5	Manganese oxide
10034-96-5	Manganese(II) Sulfate Monohydrate
1313-13-9	Manganese Dioxide
7440-66-6	Zinc
7446-19-7	Zinc sulfate monohydrate
7646-85-7	Zinc Chloride
7758-99-8	Copper Sulfate Pentahydrate
7733-02-0	Zinc Sulphate (anhydrous)
1314-13-2	Zinc Oxide

· **TSCA (Toxic Substances Control Act):**

10124-37-5	Calcium Nitrate	ACTIVE
7487-88-9	Magnesium Sulphate	ACTIVE
1317-61-9	Iron Oxide	ACTIVE
1309-48-4	Magnesium Oxide	ACTIVE
7720-78-7	iron sulphate	ACTIVE
7785-87-7	Manganese Sulphate	ACTIVE
1302-78-9	Bentonite	ACTIVE
7783-20-2	Ammonium Sulfate	ACTIVE
1313-13-9	Manganese Dioxide	ACTIVE
7440-66-6	Zinc	ACTIVE
7646-85-7	Zinc Chloride	ACTIVE
8002-74-2	Paraffin Waxes	ACTIVE
7733-02-0	Zinc Sulphate (anhydrous)	ACTIVE

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1314-13-2	Zinc Oxide	ACTIVE
7631-95-0	Sodium Molybdate	ACTIVE
· Hazardous Air Pollutants		
7785-87-7	Manganese Sulphate	
11129-60-5	Manganese oxide	
10034-96-5	Manganese(II) Sulfate Monohydrate	
1313-13-9	Manganese Dioxide	
· California Proposition 65:		
· Chemicals known to cause cancer:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
· Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
· Chemicals known to cause developmental toxicity:		
None of the ingredients are listed.		
· New Jersey Right-to-Know List:		
10124-37-5	Calcium Nitrate	
13397-24-5	Gypsum (Calcium sulfate)	
1309-48-4	Magnesium Oxide	
7720-78-7	iron sulphate	
7440-66-6	Zinc	
7646-85-7	Zinc Chloride	
8002-74-2	Paraffin Waxes	
7733-02-0	Zinc Sulphate (anhydrous)	
1314-13-2	Zinc Oxide	
· New Jersey Special Hazardous Substance List:		
7440-66-6	Zinc	F3, R1
7646-85-7	Zinc Chloride	CO
· Pennsylvania Right-to-Know List:		
13397-24-5	Gypsum (Calcium sulfate)	
1309-48-4	Magnesium Oxide	
7720-78-7	iron sulphate	
7783-20-2	Ammonium Sulfate	
7440-66-6	Zinc	
7646-85-7	Zinc Chloride	
8002-74-2	Paraffin Waxes	
7733-02-0	Zinc Sulphate (anhydrous)	
1314-13-2	Zinc Oxide	
· Pennsylvania Special Hazardous Substance List:		
7720-78-7	iron sulphate	E
7783-20-2	Ammonium Sulfate	E

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7440-66-6	Zinc	E
7646-85-7	Zinc Chloride	E
7733-02-0	Zinc Sulphate (anhydrous)	E
1314-13-2	Zinc Oxide	E

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

7785-87-7	Manganese Sulphate	D
12179-04-3	borax pentahydrate	D, I, II
11129-60-5	Manganese oxide	D
10034-96-5	Manganese(II) Sulfate Monohydrate	D
1313-13-9	Manganese Dioxide	D
7440-66-6	Zinc	D
7446-19-7	Zinc sulfate monohydrate	D, I, II
7646-85-7	Zinc Chloride	D, I, II
7733-02-0	Zinc Sulphate (anhydrous)	D, I, II
1314-13-2	Zinc Oxide	D, I, II

· **TLV (Threshold Limit Value established by ACGIH):**

1309-48-4	Magnesium Oxide	A4
12179-04-3	borax pentahydrate	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:** Non-Regulated Material

· **Signal word:** Non-Regulated Material

· **Hazard statements:**

H401 Toxic to aquatic life.

· **Precautionary statements:**

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Contact:**

· **Date of last revision/ revision number:** 02/22/2022 / 3

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

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Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

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Trade Name: 8-3-4-360-CIT

DOT: US Department of Transportation
IATA: International Air Transport Association
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)
NFPA: National Fire Protection Association (USA)
HMS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Pyrophoric Solids 1: Pyrophoric solids – Category 1
Substances and mixtures which, in contact with water, emit flammable gases 1: Substances and mixtures which in contact with water emit flammable gases – Category 1
Acute Toxicity - Oral 4: Acute toxicity – Category 4
Skin Corrosion 1B: Skin corrosion/irritation – Category 1B
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

• *** Data compared to the previous version altered.**

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106