

Safety Data Sheet
Wetsuit® 2-Part
Accelerator
17-WSA-8BD

according to Regulation
(EC) No. 1907/2006 (REACH)
with its amendment Regulation (EC) No. 453/2010
Federal register / vol 77 n° 58 03/26/2012
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixture/Substance: SDS EU 2015: According to Annex II of Regulation (EC) No. 453/2010 (REACH Annex II)

Acute toxicity, Oral	Category 4	H302
Eye irritation	Category 2	H319
Respiratory track irritation	Category 3	H335
Hazardous to the aquatic environment, chronic hazard	Category 2	H 411

Full text of classification categories and H statement: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display Extra classification(s) to display

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazardous ingredients :

Zinc Sulfate

Hazard statements (CLP) :

H302: Harmful if swallowed
H318: Cause serious eye damage
H335: May cause respiratory irritation
H411: Toxic to aquatic life with long lasting effect

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothes/eye protection/ face protection
P261 - Avoid breathing dust/fume/gas/mist/vapor/spray
P271 - Use only outdoors or in a well-ventilated area
P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P313 - IF SKIN irritation occurs: Get medical advice/attention
P337+P313 - IF eye irritation persists: Get medical advice /attention
P403 - Store in a well-ventilated place
P404 - Store in a closed container

2.3. Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Zinc Sulfate Monohydrate	(CAS No) 7446-19-7	> 10	Accute Tox. 4 (Oral) Eye Dam. 1 Resp Track Irritation 3 Aquatic chronic 2

3.2. Mixture

No information available

Full text of H-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove the victim into fresh air. Consult a doctor/medical service if you feel unwell.
- First-aid measures after skin contact : Wash immediately with lots of water. Wash with water and soap
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Keep eye wide open while rinsing. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting. Immediately consult a doctor/medical service.

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

- Symptoms/injuries after inhalation : Irritation. May cause irritation to the respiratory system
- Symptoms/injuries after skin contact : Rednesses. May cause moderate irritation.
- Symptoms/injuries after eye contact : Irritation of the eye tissue. Mechanical irritation. May cause severe irritation. Visual disturbances.
- Symptoms/injuries after ingestion : No data available

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

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use any means of extinction appropriate for the surrounding fire conditions such as water spray, carbon dioxide, dry chemical, or foam.

Unsuitable extinguishing media : None

5.2. Special hazards arising from the substance or mixture

Fire hazard : Zinc sulfate does not burn or support combustion.

Explosion hazard : None

Hazardous decomposition products in case of fire : Toxic fumes of sulfur dioxide may result from combustion. As with any fire, fire fighters should be fully trained and wear full protective clothing including an approved, self-contained breathing apparatus which supplies a positive air pressure within a full face-piece mask. Do not use water directly on material. Do not allow water run-off to enter sewers or watercourses.

5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind.

Protection during firefighting : Self-contained breathing apparatus.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Ventilate enclosed areas. Ventilate closed spaces before entering.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Safety glasses. Wear appropriate personal protective equipment during cleanup.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Avoid release to the environment. This product can pose a threat to the environment. Contamination of soil and water should be prevented. Keep spillage and runoff from storage areas from entering soil, streams or sewers.

6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill. Do not touch or walk through spilled material.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Large Spills: Dam ahead of liquid spill for later disposal. Prevent entry into waterways, sewers, basements or confined areas. Surfaces may become slippery after spillage.

Methods for cleaning up : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : None under normal use.
- Precautions for safe handling : Avoid contact with skin, eye and clothing. As with all chemicals, good industrial hygiene practices should be followed when handling this material. No special measures necessary provided product is used correctly
- Hygiene measures : Do no eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep in a ventilated place. Protect against frost. Keep the container tightly closed. Avoid excessive heat.
- Incompatible products : No information available
- Storage temperature : 10 - 35°C / 50 - 95°F
- Packaging materials : Stainless steel. Glass. Plastics.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Personal protective equipment	:	Gloves. Safety glasses.
Hand protection	:	Gloves. NBR (Nitrile rubber).
Eye protection	:	Safety glasses
Respiratory protection	:	Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn. Provide for sufficient ventilation and punctiform suction at critical points. When spraying: Gas mask with filter type A



8.2. Exposure controls

ACGIH, OSHA, and NIOSH have not developed exposure limits for any components of this product.

Protective Clothing: The hazard potential of this material is low. Where there is large scale use of this material and significant potential for worker contact, gloves and long sleeved work clothes or disposable coveralls may be necessary. Eye protection should be worn where dust is generated and there is a potential that eye contact may occur.

Ventilation: Use adequate local or general ventilation where necessary to maintain the concentrations of zinc sulfate dust well below the recommended occupational exposure limits for general Particulates, Not Otherwise Specified (PNOS).

Respirators: Where dust or fumes are generated and cannot be controlled to within acceptable levels by engineering means, use appropriate NIOSH-approved respiratory protection equipment (a 42CFR84 Class N, R or P-95 particulate filter cartridge).

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Granules
Appearance	: Colorless
Colour	: Colorless
Odour	: Odorless
Odour threshold	: No data available
pH	: No data available
pH solution	: Not applicable
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Self ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: Soluble in water
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning (carbon monoxide - carbon dioxide). Hydrogen chloride, organic acids and aldehydes.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

General: In the form in which this product is sold it is relatively non-toxic. The major route of exposure would be through the generation and inhalation of airborne dust and especially the generation of zinc oxide fume through thermal decomposition.

Acute:

Skin/Eye: Direct contact may cause local irritation of the eyes or skin but would not cause tissue damage. Eye contact with solutions (>1%) may cause the appearance of white flecks on the lens of the eye. Dust or fume from burning or welding operations may also cause local irritation. Dermal Rat LD50>2,000 mg ZnSO4/kg/bw.

Inhalation: Acute inhalation may result in irritation but is not expected to cause significant harmful effects. Symptoms may include discomfort, coughing, tingling sensation, sneezing and/or shortness of breath and wheezing. Extreme heating of zinc sulfate monohydrate will generate zinc oxide fume. If inhaled, this fume can result in the condition called metal fume fever. The symptoms of metal fume fever will occur within 3 to 10 hours of exposure, and include immediate dryness and irritation of the throat, tightness of the chest, and coughing which may later be followed by flu-like symptoms of fever, malaise, perspiration, frontal headache, muscle cramps, low back pain, occasionally blurred vision, nausea, and vomiting. The symptoms are temporary and generally disappear, without medical intervention, within 24 to 48 hours of onset. There are no recognized complications, after effects, or chronic effects that result from this condition.

Ingestion: Ingestion of large doses can cause anemia and stomach symptoms. Zinc sulfate is very astringent, and when ingested in excessive quantities, can irritate the stomach, resulting in abdominal pain, nausea, diarrhea and spontaneous vomiting. Oral LD50 rat, oral 1,538 mg/kg/kg bw.

Chronic: In general, zinc is considered to be a low toxicity metal. Zinc is a very important trace element for humans and the body regulates the amount of zinc stored by decreasing absorption and increasing excretion when intake is increased. Industrial experience has not identified any significant chronic effects from zinc sulfate to date. Zinc sulfate is not listed as a carcinogen by the Occupational Safety and Health Administration (OSHA), the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the American Conference of Governmental Industrial Hygienists (ACGIH) or the European Union (EU).

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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SECTION 12: Ecological information

This product has high water solubility and its zinc contents are directly bioavailable. The zinc in particular may be toxic to aquatic organisms, especially fish, with water hardness, pH and dissolved organic carbon levels being regulating factors. In terrestrial systems, the mobility of zinc in soil and its degree of bioaccumulation in organisms is dependent on soil chemical conditions.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Sewage disposal recommendations : Avoid any discharge of the product into waste water. Do not discharge into drains, surface waters or ground waters. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

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SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

 DOT Proper Shipping Name This product is not regulated by DOT, IMO or IATA.

14.1. UN number

Not regulated for transport

UN-No. : UN3077

Proper shipping name : Environmentally hazardous substance, solid , n.o.s (contains Zinc Sulfate)

14.3. Transport hazard class(es)

Transport hazard class(es) (ADR) : Class 9, Packing group III

DOT reportable quantity : 1000 lbs (454 kg) per container - regulated only if transported in containers containing 1000 (RQ) or more lbs of Zinc Sulfate

Limited Quantity (LQ) : 5kg

14.4. Packing group

Packing group : III - Minor danger

14.5. Environmental hazards

Dangerous for the environment : Class 9 - miscellaneous dangerous goods

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : No information available

Special provision (ADR) : No information available

Limited quantities (ADR) : No information available

Excepted quantities (ADR) : No information available

Packing instructions (ADR) : No information available

Special packing provisions (ADR) : No information available

Mixed packing provisions (ADR) : No information available

Portable tank and bulk container instructions (ADR) : No information available

Portable tank and bulk container special provisions (ADR) : No information available

Tank code (ADR) : No information available

Vehicle for tank carriage : No information available

Transport category (ADR) : No information available

Special provisions for carriage - Packages (ADR) : No information available

Special provisions for carriage - Loading and unloading (ADR) : No information available

Hazard identification number (Kemler No.) : No information available

Neptune Coatings Corporation.

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Orange plates : No information available

Tunnel restriction code (ADR) : No information available

EAC code : No information available

- Transport by sea

MFAG-No : No information available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No information available

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

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

Acute Tox. 4 (Oral) H302

 Eye Dam. 1 H318

 Aquatic Acute 1 H400

 Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R22

Xi; R41

N; R50/53

Full text of R-phrases: see section 16

15.1.2. US Federal regulations

Registration status: TSCA, US released / listed

OSHA hazard category: Not hazardous

SARA hazard categories (EPCRA 311/312) : Not Hazardous

15.1.4. Canada

Ingredient listed on DSL Yes

WHMIS classification Not a controlled product

15.1.4. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

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SECTION 16: Other information

NFPA health hazard	2- Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA firehazard	0- Materials that will not burn.
NFPA reactivity	0-Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health :	2 Moderate Hazard - Temporary or minor injury may occur
Flammability :	0 Minimal Hazard - Materials that will not burn
Physical :	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal Protection :	E - Safety glasses, Gloves, Dust respirator

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

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