

## Section 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product identifier****Product name** ZINC REAGENT POWDER**Product Code(s)** 7393**Other means of identification****Synonyms** none / ninguno / aucun**Substance or Preparation** Preparation**Recommended use of the chemical and restrictions on use****Recommended Use** Use as a laboratory reagent. Industrial (not for food or food contact use).**Uses advised against** None**Details of manufacturer or importer**LaMotte Company, Inc.  
802 Washington Avenue  
P.O. Box 329  
Chestertown, MD 21620 USA  
T 410-778-3100  
F 410-778-9748**Supplier**LaMotte Pacific Pty Ltd.  
2/6 Bonz Place  
Seven Hills, NSW 2147  
T (02) 9624 8842  
F (02) 9674 5115**Contact for timely inquiries in regards to this product****LaMotte Company Customer Information:** system@lamotteco.com**Vendart Pty. Ltd. Customer Information:** info@vendart.com.au**Emergency telephone numbers****24-Hour Emergency telephone number** (CHEM-TEL):USA, Canada, Puerto Rico 1-800-255-3924 Outside North American Continent (Call collect) 813-248-0585**Local emergency telephone number** Poisons Information Center, Australia: 13 11 26  
Poisons Information Center, New Zealand: 0800 764 766

## Section 2: HAZARD(S) IDENTIFICATION

**GHS Classification****Reproductive toxicity** Category 1B - (H360)

**Label elements**

Health hazard

**Signal word**

DANGER

**Hazard statements**

H360 - May damage fertility or the unborn child.

**Precautionary Statements**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Response:** IF exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED. Drink 1 or 2 glasses of water.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/container to an approved waste disposal plant.

**Other hazards which do not result in classification**

May be harmful if swallowed. May be harmful in contact with skin.

### Section 3: COMPOSITION & INFORMATION ON INGREDIENTS

**Substance**

Not Applicable

**Mixture**

Chemical name	CAS #	Weight-%
Sodium tetraborate, decahydrate	1303-96-4	50
Non-hazardous ingredients	Proprietary	Balance

### Section 4: FIRST AID MEASURES

**First Aid Measures****General advice**

Show this safety data sheet to the doctor in attendance.

**Local emergency telephone number**

Poisons Information Center, Australia: 13 11 26  
 Poisons Information Center, New Zealand: 0800 764 766

**Inhalation**

Remove to fresh air.

**Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
 Consult a physician.

**Skin contact**

Wash skin with soap and water.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

## Section 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** No information available.

**Special protective actions for fire-fighters**

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Hazchem code** Not Listed.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. See section 8 for more information. Ensure adequate ventilation. Avoid contact with skin, eyes and inhalation of vapors. Keep people away from and upwind of spill/leak.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water.

**Precautions to prevent secondary hazards**

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## Section 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store locked up.

**Incompatible materials** None known based on information supplied.

## Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical name	ES-TWA
Sodium tetraborate, decahydrate 1303-96-4	5 mg/m <sup>3</sup> 1 mg/m <sup>3</sup>

Chemical name	Australia
Sodium tetraborate, decahydrate 1303-96-4	*-

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** crystalline powder  
**Appearance** purple  
**Color** purple  
**Odor** Odorless  
**Odor threshold** Not Applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9	
Melting point / freezing point	-	No information available
Boiling point / boiling range	No information available	No information available
Flash point	No information available	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		No information available
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No information available	No information available
Vapor density	No information available	No information available
Relative density	No information available	No information available
Water solubility	Soluble in water	
Solubility in other solvents	No information available	No information available
Partition coefficient	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available	No information available
Kinematic viscosity	No information available	No information available
Dynamic viscosity	No information available	No information available
<u>Other Information</u>		
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	No information available	
Density	No information available	
Bulk density	No information available	

## Section 10: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions. Stable under recommended storage conditions.
<b>Explosion data</b>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	Sodium oxides. Boron oxides. Hydrogen chloride.

## Section 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Information on likely routes of exposure

##### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.

**Ingestion** Specific test data for the substance or mixture is not available

**Symptoms** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 2,821.00 mg/kg

**ATEmix (dermal)** 3,335.00 mg/kg

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Sodium tetraborate, decahydrate	= 2660 mg/kg ( Rat ) = 3493 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	Not Established

See section 16 for terms and abbreviations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity**

**Reproductive toxicity** No information available. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity**

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium tetraborate, decahydrate	2.6 - 21.8: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 158: 96 h Desmodesmus subspicatus mg/L EC50	340: 96 h Limanda limanda mg/L LC50	Not Established	1085 - 1402: 48 h Daphnia magna mg/L LC50

**Persistence and degradability**

**Persistence and degradability** Inherently biodegradable, fulfilling criteria.

### Bioaccumulative potential

**Bioaccumulation/Accumulation** When released into the soil, this material may leach into groundwater.

Chemical name	Log Pow
Sodium tetraborate, decahydrate	Not Established

### Mobility

**Mobility in soil** No information available.

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine disrupting potential
Sodium tetraborate, decahydrate	Not Established	Not Established	Not Established

## Section 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## Section 14: TRANSPORT INFORMATION

**ADG** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No information available

## Section 15: REGULATORY INFORMATION

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

#### National regulations

##### Australia

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 5

**National pollutant inventory**

Subject to reporting requirement

Chemical name	Australia - National Pollutant Inventory (NPI) Substance List
Sodium tetraborate, decahydrate - 1303-96-4	10 tonne/yr Threshold category 1 Boron and compounds

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Complies
<b>KECL</b>	Does not comply
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**International Regulations****Ozone-depleting substances (ODS)** None known**Persistent Organic Pollutants** None known**The Rotterdam Convention** None known**Section 16: ANY OTHER RELEVANT INFORMATION****Prepared by** Regulatory Affairs Department**Issuing Date** Jun-01-2015**Revision Date** Jul-28-2017**Revision note**

Initial Release.

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transporta

**End of Safety Data Sheet**