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# Safety Data Sheet (SDS)

## 1. Product and Company Identification

**Product Name:** EzRun TBE

**Product Code:** WSE-7051

### Company Information

**Company Name:** ATTO Corporation

**Address:** 3-2-2 Motoasakusa, Taito-ku, Tokyo 111-0041, Japan

**Department in Charge:** Head Office, Customer Service Department

**Phone:** +81-3-5827-4861

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**Emergency Contact Number:** +81-3-5827-4871

### Recommended Use:

For testing and research purposes.

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## 2. Hazards Identification

### GHS Classification

- Skin corrosion/irritation: **Category 3**
- Reproductive toxicity: **Category 1**

### GHS Label Elements

**Signal Word:** Danger



### Hazard Statements

- **H316** Causes mild skin irritation
- **H360** May damage fertility or the unborn child

## Precautionary Statements

### Prevention

- **P201** Obtain special instructions before use.
- **P202** Do not handle until all safety precautions have been read and understood.
- **P280** Wear protective gloves/protective clothing/eye protection/face protection.

### Response

- **P308+P313** IF exposed or concerned: Get medical advice/attention.
- **P332+P313** If skin irritation occurs: Get medical advice/attention.

### Storage

- **P405** Store locked up.

### Disposal

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

Other hazards not contributing to classification are either not applicable or cannot be classified.

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## 3. Composition / Information on Ingredients

Substance or Mixture: Mixture (aqueous solution)

Component	Concentration	Chemical Formula	CAS No.
Boric acid	3.0%	H <sub>3</sub> BO <sub>3</sub>	10043-35-3

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## 4. First Aid Measures

### Inhalation

Move the affected person to fresh air. If symptoms persist, seek medical attention.

### Skin Contact

Wash thoroughly with plenty of water and soap. If irritation or inflammation occurs, seek medical attention.

### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.

### Ingestion

Rinse mouth. Do not give anything to an unconscious person. Immediately contact a doctor or poison control center. Do not induce vomiting unless instructed by medical personnel.

### Protection for First Aid Providers

Avoid contact with skin, eyes, and clothing. Wear appropriate personal protective equipment.

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## 5. Firefighting Measures

### Suitable Extinguishing Media

Use extinguishing media appropriate for the surrounding fire conditions.

### Specific Hazards

Thermal decomposition may produce irritating or toxic gases and vapors.

### Firefighting Instructions

No specific firefighting method is known.

### Protective Equipment for Firefighters

Wear appropriate protective equipment including self-contained breathing apparatus (SCBA).

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## 6. Accidental Release Measures

### Personal Precautions and Protective Equipment

Ensure adequate ventilation when working indoors. Restrict access to the affected area. Wear appropriate protective equipment to avoid contact with the material. Work from the upwind side and evacuate personnel from the downwind area.

### Environmental Precautions

Prevent the product from entering rivers, waterways, or drainage systems. Avoid releasing contaminated wastewater into the environment without appropriate treatment.

### Methods for Containment and Cleanup

Wear appropriate protective equipment. Collect as much of the spilled material as possible. After removal, clean the area with a soda ash solution and rinse thoroughly with water.

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## 7. Handling and Storage

### Handling

#### Technical Measures

- Avoid contact with eyes and skin.
- Use local exhaust ventilation.

#### Precautions

- Avoid prolonged or repeated exposure.
- Handle containers carefully. Do not drop, tip, or drag containers.
- Prevent leaks, spills, and splashes.
- Avoid generating vapor or mist unnecessarily.
- Keep the container tightly closed after use.

#### Hygiene Measures

- Wash hands and face thoroughly after handling.
- Eating, drinking, and smoking are prohibited in work areas.
- Do not bring contaminated protective equipment into rest areas.

**General Safety**

- Wear appropriate personal protective equipment.
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**Storage****Storage Conditions**

Store in a cool, well-ventilated place away from direct sunlight. Keep containers tightly sealed.

**Incompatible Materials**

Alkaline substances

**Recommended Container Materials**

Glass, polyethylene, polypropylene

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**8. Exposure Controls / Personal Protection****Engineering Controls**

Use sealed systems or local exhaust ventilation when handling indoors. Install safety showers and eye wash facilities near the work area.

**Occupational Exposure Limits**

ACGIH TLV

- **TWA:** 2 mg/m<sup>3</sup> (inhalable fraction)
- **STEL:** 6 mg/m<sup>3</sup>

Japan Society for Occupational Health

Not established

**Biological Exposure Indicators**

Not established

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**Personal Protective Equipment (PPE)****Respiratory Protection**

Dust mask

**Hand Protection**

Protective gloves

**Eye Protection**

Safety glasses

**Skin and Body Protection**

Protective clothing and protective boots

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**9. Physical and Chemical Properties**

	Property	Description
	Physical state	Liquid
	Appearance	Transparent
	Odor	Odorless
	pH	No data available
	Boiling point	No data available
	Melting point	No data available
	Flash point	No data available

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Property	Description
Ignition temperature	No data available
Explosive properties	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	No data available
Solubility	No data available
Partition coefficient (n-octanol/water)	No data available

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## 10. Stability and Reactivity

### Stability

Stable under recommended storage conditions.

### Reactivity

No data available.

### Conditions to Avoid

Heat and direct sunlight.

### Hazardous Decomposition Products

Boron oxides.

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## 11. Toxicological Information

### Acute Toxicity

Oral LD50 (rat):

2,660 – 5,140 mg/kg (DFGOT Vol.5, 1993)

### Skin Irritation

Moderate irritation observed in guinea pig tests (CERI Hazard Data Collection 2001–30).

**Eye Irritation**

Human data indicate irritant effects (ATSDR 1992, ACGIH 2005).

**Germ Cell Mutagenicity**

Negative results in in vivo and germ cell mutagenicity tests.

**Carcinogenicity**

ACGIH: A4 (Not classifiable as a human carcinogen)

**Reproductive Toxicity**

Effects on fertility and offspring development observed in animal studies.

**Target Organs (Single Exposure)**

Nervous system, gastrointestinal tract, respiratory tract irritation.

**Target Organs (Repeated Exposure)**

Kidneys.

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## 12. Ecological Information

**Aquatic Toxicity (Acute)**

Fish (rainbow trout):

96-hour LC50 = 78.1 mg boron/L

(Boric acid equivalent: 447 mg/L)

**Aquatic Toxicity (Chronic)**

Low toxicity and high water solubility.

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## 13. Disposal Considerations

**Waste Treatment**

Dispose of in accordance with applicable laws and local regulations.

If disposal cannot be performed internally, entrust treatment to a licensed industrial waste disposal contractor.

**Contaminated Packaging**

Completely remove contents before disposal. Dispose of containers according to their material type.

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## 14. Transport Information

**International regulations****Air transport (IATA-DGR)**

Not regulated as dangerous goods.

UN/ID number : Not applicable

Proper shipping name : Not applicable

Class : Not applicable

Subsidiary risk : Not applicable

Packing group : Not applicable

Labels : Not applicable

Packing instruction (cargo aircraft) : Not applicable

Packing instruction (passenger aircraft) : Not applicable

**Sea transport (IMDG Code)**

Not regulated as dangerous goods.

UN number : Not applicable

Proper shipping name : Not applicable

Class : Not applicable

Subsidiary risk : Not applicable

Packing group : Not applicable

Labels : Not applicable

EmS code : Not applicable

Marine pollutant (yes/no) : Not applicable

Transport in bulk according to MARPOL 73/78 Annex II and the IBC Code :  
Not applicable for the product as supplied.

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#### **Domestic regulations**

Refer to Section 15.

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#### **Special safety precautions for transport**

Ensure that containers are free from damage, corrosion, and leakage before transportation.  
Handle containers carefully during loading and unloading to prevent tipping, dropping, or damage.  
Secure containers properly to prevent movement or shifting during transportation.

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## **15. Regulatory Information**

#### **PRTR Law**

Class I Designated Chemical Substance No. 405 (Revised PRTR Law, effective Oct 1, 2019)

#### **Industrial Safety and Health Act**

Not applicable

#### **Poisonous and Deleterious Substances Control Act**

Not applicable

#### **Chemical Substances Control Law**

Not applicable

#### **Fire Service Act**

Not applicable

#### **Aviation Law**

Not applicable

**Water Pollution Control Act**

Hazardous substances

**Soil Contamination Countermeasures Act**

Specified hazardous substances

**Air Pollution Control Act**Hazardous air pollutants

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## 16. Other Information

This Safety Data Sheet (SDS) is based on the latest available information and data. It may be revised as new information becomes available.

The precautions described in this SDS apply only to normal handling conditions. If the product is used under special conditions, appropriate safety measures should be implemented accordingly.

While every effort has been made to ensure the accuracy of the information provided, ATTO Corporation makes no warranty regarding its completeness or accuracy.