

## Safety Data Sheet (SDS)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Catalog Code Number:** 1020  
**Product Name:** WSCD  
**Supplier's Name:** Peptide Institute, Inc.  
**Address:** 7-2-9 Saito-Asagi, Ibaraki-Shi, Osaka 567-0085, Japan  
**Phone Number:** 81-72-643-4411  
**Fax Number:** 81-72-643-4422  
**Creation Date:** December 3, 2015  
**Revised:** August 7, 2023 (ver.4)

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### GHS classification

##### HEALTH HAZARDS

ACUTE TOXICITY: ORAL Category 4

SKIN CORROSION/IRRITATION Category 1C

SERIOUS EYE DAMAGE/ EYE IRRITATION Category 1

Pictograms or hazard symbols



Signal word Danger

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

Precautionary statements

##### Prevention

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not eat, drink or smoke when using this product.

##### Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash contaminated clothing before reuse.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a doctor.

##### Storage

Store locked up.

##### Disposal

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

**Other hazards:** No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Single Substance or Mixture:** Single Substance

**Common Chemical Name, Common Name or Substance Name:**

1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide

Water-Soluble Carbodiimide

EDC

**Molecular Formula:** C<sub>8</sub>H<sub>17</sub>N<sub>3</sub> (M.W. 155.24)

**CAS Registry Number:** 1892-57-5

**EINECS No.:** 217-579-2

**UN No. & Hazard Class:** UN 2735, Class 8

### 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice and treatment.

**Skin contact:** Take off/remove immediately all contaminated clothing. Rinse skin with running water and shower. If skin irritation or rash occurs, get medical advice/attention.

**Eye contact:** Rinse cautiously with water for several minutes. Remove and wash contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention.

**Ingestion:** If you feel unwell, seek medical advice and treatment. Rinse mouth.

**Protection of First Aiders:** Rescuers wear protective gear such as rubber gloves and sealed goggles.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing media:** Powder, foam, carbon dioxide

**Unsuitable Extinguishing media:** Water (may spread fire and be dangerous)

**Specific hazards in case of fire:** Be aware that it may decompose on combustion or at high temperatures, and toxic fumes may be generated.

**Special extinguishing method:** Complies with fire extinguishing method in normal fire.

**Specific hazards arising from the chemical product:**

Extinguish the fire from the windward side, and use an appropriate fire extinguishing method according to the surrounding conditions. Remove all persons other than those involved to a safe place.

In the event of a fire in the surrounding area, move movable containers to a safe place immediately.

**Protection of fire-fighters:** Always wear protective equipment when fighting fires.

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

**Environmental precautions:**

To be careful not discharged to the environment without being properly handled waste water contaminated.

**Methods and materials for contaminant and methods and materials for cleaning up:**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

### 7. HANDLING AND STORAGE

**Handling:**

**Technical measures:**

Handle in a well-ventilated area. Wear appropriate protective equipment. Be careful not to scatter dust. Wash hands and face thoroughly after handling.

**Precautions for safe handling:**

Use local exhaust if dust or aerosol is generated. Avoid contact with skin, eyes and clothing.

**Storage:**

**Condition for safe storage:** Keep container tightly closed. Store in a cool dry place.

**Recommended storage temperature:** -20 °C.

**Container and packaging materials for safe handling:** No data available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Install a closed facility or a local exhaust ventilation system so that workers are not directly exposed. Provide equipment for washing eyes and body near the handling place.

**Exposure limits:** No data available

**Personal protective equipment:**

Wear appropriate respirator, chemical-resistant gloves, safety goggles, other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Color:** Colorless to pale yellow

**Odor:** No data available

**Melting point/freezing point:** No data available

**Boiling point or initial boiling point and boiling range:** No data available

**Flammability:** No data available

**Lower and upper explosion limit/flammability limit:** No data available

**Flash point:** No data available

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**pH:** No data available

**Kinematic viscosity:** No data available

**Solubility:** No data available

***n*-Octanol/water partition coefficient:** No data available

**Vapor pressure:** No data available

**Density and/or relative density:** No data available

**Relative vapor density:** No data available

**Particle characteristics:** No data available

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Stable under suitable conditions.

**Possibility of hazardous reactions:** No specific reactivity was reported.

**Conditions to avoid:** No data available

**Incompatible materials:** Oxidizing agents, acids

**Hazardous decomposition products:** CO, CO<sub>2</sub>, NO<sub>x</sub>

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** ORAL GHS classification category 4

**Skin irritation/corrosion:** GHS classification category 1C

**Serious eye damage/ irritation:** GHS classification category 1

**Respiratory or skin sensitization:** No data available

**Reproductive cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Hazards to ozone layer:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Information on the safe and environmentally sound disposal or recycling of chemicals and contaminated containers and packaging:**

Obey local/national regulations.

When incinerating, after dissolving or mixing with a soluble solvent, the afterburner and scrubber are treated in an incinerator.

When disposing of an empty container, do so after removing the contents completely.

If disposal is not possible due to lack of disposal facilities, etc., entrust it to a licensed industrial waste disposal company.

## 14. TRANSPORT INFORMATION

**UN number and UN classification:**

UN number: UN2735

UN classification: Class 8

Proper shipping name: Amines, liquid, corrosive, n.o.s.

**Regulatory information if there are Japanese regulations:** Not applicable.

## 15. REGULATORY INFORMATION

**Japanese regulations**

Fire Service Act: Category IV, Type-3 petroleum, dangerous grade 3 water-insoluble

Ship Safety Act: Corrosive substance (Dangerous Rule Notification Appendix Table 1)

**Names of applicable Japanese laws and information on regulation based on those laws:** Not applicable.

Caution: The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

## 16. OTHER INFORMATION

**Disclaimer:** NOT FOR USE IN HUMANS. For R&D use only. Not for drug, household or other uses.

**Reference:**

1. JCIA: Japan Chemical Industry Association GHS support Guidelines (June, 2019)
2. JIS Z 7253:2019 Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet (SDS)
3. NITE: National Institute of Technology and Evaluation (JAPAN) web site

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