# Protease Inhibitor Cocktail, Tablet

## SDS EU format according to COMMISSION REGULATION (EU) 2020/878

### Issue date: 9/26/2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>Protease Inhibitor Cocktail</td>
</tr>
<tr>
<td>Product code</td>
<td>190711, 190792</td>
</tr>
<tr>
<td>Product group</td>
<td>Trade product</td>
</tr>
</tbody>
</table>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

No additional information available

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Covaris, LLC.
14 Gill St., Unit H
01801 Woburn – MA
USA
T +1 (781) 932-3959

### 1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency number</th>
<th>Chemtrec (800) 424-9300</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>NSW Poisons Information Centre</td>
<td>Locked Bag 4001 NSW 2145 Westmead</td>
<td>13 11 26</td>
<td></td>
</tr>
<tr>
<td>Ireland</td>
<td>National Poisons Information Centre Beaumont Hospital</td>
<td>PO Box 1297 Beaumont Road 9 Dublin</td>
<td>+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)</td>
<td></td>
</tr>
<tr>
<td>New Zealand</td>
<td>National Poisons Centre</td>
<td>PO Box 56 9054 Dunedin</td>
<td>0800 764 766</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Birmingham Centre) City Hospital</td>
<td>Dudley Road B18 7QH Birmingham</td>
<td>0344 892 0111</td>
<td>Only for healthcare professionals</td>
</tr>
</tbody>
</table>

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

- Acute toxicity (inhalation:dust,mist) Category 4 H332
- Skin corrosion/irritation, Category 1, Sub-Category 1B H314
- Specific target organ toxicity – Repeated exposure, Category 2 H373

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. Causes severe skin burns and eye damage.
2.2. Label elements

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

Hazard pictograms (CLP):

- GHS05
- GHS07
- GHS08

Signal word (CLP):
- Danger

Contains:
- DISODIUM EDTA.
- 4-(2-Aminoethyl)benzenesulfonyl Fluoride Hydrochloride

Hazard statements (CLP):
- H314 - Causes severe skin burns and eye damage.
- H332 - Harmful if inhaled.
- H373 - May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).

Precautionary statements (CLP):
- P260 - Do not breathe dust.
- P264 - Wash hands thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves, protective clothing, eye protection, face protection.
- P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 - Immediately call a POISON CENTER.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 - IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 - Store locked up.
- P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISODIUM EDTA</td>
<td>CAS-No.: 139-33-3</td>
<td>20 – 30</td>
<td>Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) STOT RE 2, H373</td>
</tr>
<tr>
<td></td>
<td>EC-No.: 205-358-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-(2-Aminoethyl)benzenesulfonyl Fluoride</td>
<td>CAS-No.: 30827-99-7</td>
<td>5 – 10</td>
<td>Skin Corr. 1B, H314 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Hydrochloride</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H- and EUH-statements: see section 16
Protease Inhibitor Cocktail, Tablet
Safety Data Sheet
SDS EU format according to COMMISSION REGULATION (EU) 2020/878

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Call a physician immediately.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects: May cause severe burns. May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation).
Skin: Burns.
Eyes: Serious damage to eyes.
Ingestion: Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media


5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection”.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection: [In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available
8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Colour: Colourless.
Appearance: Clear, colorless liquid.
Odour: None.
Odour threshold: Not available
Melting point: Not available
Freezing point: Not applicable
Boiling point: Not available
Flammability: Non flammable.
Explosive limits: Not applicable
Lower explosion limit: Not applicable
Upper explosion limit: Not applicable
Flash point: Not applicable
Auto-ignition temperature: Not applicable
Decomposition temperature: Not available
pH: ≈ 7.5
pH solution: Not available
Viscosity, kinematic: Not applicable
Solubility: Not available
Partition coefficient n-octanol/water (Log Kow): Not available
Vapour pressure: Not available
Vapour pressure at 50°C: Not available
Density: Not available
Relative density: Not available
Relative vapour density at 20°C: Not applicable
Particle size: Not available
Particle size distribution: Not available
Particle shape: Not available
Particle aspect ratio: Not available
Particle aggregation state: Not available
Particle agglomeration state: Not available
Particle specific surface area: Not available
Particle dustiness: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes
No additional information available

9.2.2. Other safety characteristics
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.
**10.3. Possibility of hazardous reactions**
No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**
None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**
No additional information available

**10.6. Hazardous decomposition products**
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| Acute toxicity (oral)          | Not classified |
| Acute toxicity (dermal)        | Not classified |
| Acute toxicity (inhalation)    | Harmful if inhaled. |

**Protease Inhibitor Cocktail**

- ATE CLP (dust,mist) 5 mg/l/4h

**DISODIUM EDTA (139-33-3)**

- LD50 oral rat 2800 mg/kg bodyweight
- Skin corrosion/irritation: Causes severe skin burns. pH ≈ 7.5
- Serious eye damage/irritation: Assumed to cause serious eye damage. pH ≈ 7.5
- Respiratory or skin sensitisation: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- STOT-single exposure: Not classified
- STOT-repeated exposure: May cause damage to organs (respiratory tract) through prolonged or repeated exposure (if inhaled).

**DISODIUM EDTA (139-33-3)**

- LOAEC (inhalation, rat,dust/mist/fume, 90 days) 0.015 mg/l air Animal: rat, Animal sex: female, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
- NOAEL (oral, rat, 90 days) ≥ 500 mg/kg bodyweight Animal: rat, Animal sex: male
- STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**
- Not classified

**Protease Inhibitor Cocktail**

- Viscosity, kinematic: Not applicable

#### 11.2. Information on other hazards

No additional information available
Protease Inhibitor Cocktail, Tablet
Safety Data Sheet
SDS EU format according to COMMISSION REGULATION (EU) 2020/878

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.

Hazardous to the aquatic environment, short–term (acute): Not classified

Hazardous to the aquatic environment, long–term (chronic): Not classified

<table>
<thead>
<tr>
<th>DISODIUM EDTA (139-33-3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 - Crustacea [1]</td>
</tr>
<tr>
<td>EC50 72h - Algae [1]</td>
</tr>
<tr>
<td>LOEC (chronic)</td>
</tr>
<tr>
<td>NOEC (chronic)</td>
</tr>
<tr>
<td>NOEC chronic fish</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 1759</td>
<td>UN 1759</td>
<td>UN 1759</td>
<td>UN 1759</td>
<td>UN 1759</td>
</tr>
</tbody>
</table>

9/26/2022 (Issue date) EN (English) 7/10
pn 010613 A
Protease Inhibitor Cocktail, Tablet
Safety Data Sheet
SDS EU format according to COMMISSION REGULATION (EU) 2020/878

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
</table>

| 14.3. Transport hazard class(es) | 8 | 8 | 8 | 8 | 8 |

| 14.4. Packing group | II | II | II | II | II |

| 14.5. Environmental hazards | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |

No supplementary information available

| 14.6. Special precautions for user |

**Overland transport**
No data available

**Transport by sea**
- Special provisions (IMDG): 274
- Limited quantities (IMDG): 1 kg
- Excepted quantities (IMDG): E2
- Packing instructions (IMDG): P002
- IBC packing instructions (IMDG): IBC08
- IBC special provisions (IMDG): B21, B4
- Tank instructions (IMDG): T3
- Tank special provisions (IMDG): TP33
- EmS-No. (Fire): F-A
- EmS-No. (Spillage): S-B
- Stowage category (IMDG): A
- Properties and observations (IMDG): Causes burns to skin, eyes and mucous membranes.

**Air transport**
No data available

**Inland waterway transport**
No data available

**Rail transport**
No data available
14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)
Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)
Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

Germany
Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG).
Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Netherlands
SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Switzerland
Storage class (LK) : LK 6.1 - Toxic materials

15.2. Chemical safety assessment

No chemical safety assessment has been carried out
### SECTION 16: Other information

#### Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (inhal.)</td>
<td>H314</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>H318</td>
</tr>
<tr>
<td>Causes severe skin burns and eye damage.</td>
<td>H332</td>
</tr>
<tr>
<td>Causes serious eye damage.</td>
<td>H373</td>
</tr>
<tr>
<td>Harmful if inhaled.</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>H314</td>
</tr>
<tr>
<td>Category 1, Sub-Cat. 1B</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity – Repeated exposure</td>
<td>H373</td>
</tr>
<tr>
<td>Category 2</td>
<td></td>
</tr>
</tbody>
</table>

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
<th>Calculation method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (inhal.)</td>
<td>H332</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>H314</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Specific target organ toxicity – Repeated exposure</td>
<td>H373</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

---

Safety Data Sheet (SDS), EU

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.