

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 03-Sep-2009

Revision Date 19-Oct-2023

**Revision Number** 12

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

| Product Description:<br>Cat No. :<br>Synonyms<br>CAS No<br>Molecular Formula<br>REACH registration number                            | Diaminoethanetetra-acetic acid disodium salt dihydrate<br>D/0650/48, D/0650/70, D/0650/53, D/0650/60, D/0650<br>(Ethylenedinitrilo)tetraacetic acid, disodium salt dihydrate; Disodium edetate dihydrate;<br>EDTA, disodium salt dihydrate<br>6381-92-6<br>C10 H14 N2 Na2 O8 . 2 H2 O<br>- (for the anhydrous form) |  |
|--|---|--|
| 1.2. Relevant identified uses of the   | substance or mixture and uses advised against   |  |
| Recommended Use<br>Sector of use<br>Product category<br>Process categories<br>Environmental release category<br>Uses advised against | Laboratory chemicals.<br>SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites<br>PC21 - Laboratory chemicals<br>PROC15 - Use as a laboratory reagent<br>ERC6a - Industrial use resulting in manufacture of another substance (use of intermediates)<br>No Information available |  |
| 1.3. Details of the supplier of the s  | afety data sheet  |  |
| Company  | UK entity/business name<br>Fisher Scientific UK<br>Bishop Meadow Road, Loughborough,<br>Leicestershire LE11 5RG, United Kingdom<br>EU entity/business name<br>Thermo Fisher Scientific<br>Janssen Pharmaceuticalaan 3a<br>2440 Geel, Belgium  |  |
| E-mail address   | begel.sdsdesk@thermofisher.com  |  |
| 1.4. Emergency telephone number  | Tel: 01509 231166<br>Chemtrec US: (800) 424-9300<br>Chemtrec EU: 001-703-527-3887   |  |
|  | SECTION 2: HAZARDS IDENTIFICATION   |  |
| 2.1. Classification of the substance or mixture  |   |  |

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

**Physical hazards** 

#### Diaminoethanetetra-acetic acid disodium salt dihydrate

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Based on available data, the classification criteria are not met

#### Health hazards

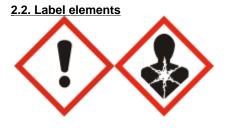
Acute Inhalation Toxicity - Dusts and Mists Specific target organ toxicity - (repeated exposure)

#### **Environmental hazards**

Based on available data, the classification criteria are not met

Category 4 (H332) Category 2 (H373)

#### Full text of Hazard Statements: see section 16



Signal Word

Warning

#### Hazard Statements

H332 - Harmful if inhaled H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

#### **Precautionary Statements**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

#### 2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB)

This product does not contain any known or suspected endocrine disruptors

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

| Component                                 | CAS No    | EC No             | Weight % | CLP Classification - According to<br>GB-CLP Regulations UK SI 2019/720 and<br>UK SI 2020/1567 |
|---|-----------|-------------------|----------|---|
| Ethylenediaminetetraacetic acid, disodium | 6381-92-6 | 613-386-6         | >95      | Acute Tox. 4 (H332)   |
| salt dihydrate                            |           |                   |          | STOT RE 2 (H373)  |
| Disodium EDTA                             | 139-33-3  | EEC No. 205-358-3 | -        | Acute Tox. 4 (H332)   |
|   |           |                   |          | STOT RE 2 (H373)  |

| REACH registration number - (for the anhydrous form) |
|--|
|--|

Full text of Hazard Statements: see section 16

### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

| Eye Contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.                |
|------------------------------------|--|
| Skin Contact                       | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.                                      |
| Ingestion                          | Do NOT induce vomiting. Get medical attention.   |
| Inhalation                         | Remove to fresh air. Get medical attention if symptoms occur. If not breathing, give artificial respiration.                                     |
| Self-Protection of the First Aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |
|                                    | <b>a</b>   |

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

No information available.

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

Notes to Physician

Treat symptomatically.

### **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

#### Extinguishing media which must not be used for safety reasons No information available.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors.

#### Hazardous Combustion Products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

#### Diaminoethanetetra-acetic acid disodium salt dihydrate

#### 6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

#### 6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

### **SECTION 7: HANDLING AND STORAGE**

#### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Avoid dust formation.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

Technical Rules for Hazardous Substances (TRGS) 510Class 11Storage Class (LGK) (Germany)Class 11

#### 7.3. Specific end use(s)

Use in laboratories

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

Exposure limits List source(s):

List source(s).

#### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL) No information available

**Predicted No Effect Concentration (PNEC)** No information available.

#### 8.2. Exposure controls

#### **Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

#### Personal protective equipment Eye Protection

Wear safety glasses with side shields (or goggles) (European standard - EN 166)

|   | Hand Protection   | Protect   | ve gloves             |                        |   |
|---|---|---|-----------------------|------------------------|---|
|   | Glove material<br>Nitrile rubber<br>Neoprene<br>Natural rubber<br>PVC<br>Butyl rubber | Breakthrough time<br>See manufacturers<br>recommendations | Glove thickness<br>-  | EU standard<br>EN 374  | Glove comments<br>(minimum requirement) |
| _ | Skin and body prot  | tection Wear a  | ppropriate protective | gloves and clothing to | prevent skin exposure.                  |

Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

| Respiratory Protection     | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.<br>To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly   |
|----------------------------|---|
| Large scale/emergency use  | Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced <b>Recommended Filter type:</b> Particulates filter conforming to EN 143  |
| Small scale/Laboratory use | Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.<br><b>Recommended half mask:-</b> Particle filtering: EN149:2001; Valve filtering: EN405; or; Half mask: EN140; plus filter, EN 141<br>When RPE is used a face piece Fit Test should be conducted |

Environmental exposure controls No information available.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### 9.1. Information on basic physical and chemical properties

| Physical State | Solid |
|----------------|-------|
| Appearance     | White |

FSUD0650

Diaminoethanetetra-acetic acid disodium salt dihydrate

| Odor                                | Odorless                 |                                   |
|-------------------------------------|--------------------------|-----------------------------------|
| Odor Threshold                      | No data available        |                                   |
| Melting Point/Range                 | 252 °C / 485.6 °F        |                                   |
| Softening Point                     | No data available        |                                   |
| Boiling Point/Range                 | No information available |                                   |
| Flammability (liquid)               | Not applicable           | Solid                             |
| Flammability (solid,gas)            | No information available |                                   |
| Explosion Limits                    | No data available        |                                   |
|                                     |                          |                                   |
| Flash Point                         | No information available | Method - No information available |
| Autoignition Temperature            | No data available        |                                   |
| Decomposition Temperature           | > 252°C                  |                                   |
| рН                                  | 4-6                      | 5% aq. solution                   |
| Viscosity                           | Not applicable           | Solid                             |
| Water Solubility                    | Soluble                  |                                   |
| Solubility in other solvents        | No information available |                                   |
| Partition Coefficient (n-octanol/wa | ter)                     |                                   |
| Component                           | log Pow                  |                                   |
| Disodium EDTA                       | -4.3                     |                                   |
| Vapor Pressure                      | No data available        |                                   |
| Density / Specific Gravity          | No data available        |                                   |
| Bulk Density                        | No data available        |                                   |
| Vapor Density                       | Not applicable           | Solid                             |
| Particle characteristics            | No data available        |                                   |
|                                     |                          |                                   |
| 9.2. Other information              |                          |                                   |
|                                     |                          |                                   |

Molecular FormulaC10 H14 N2 Na2 O8 . 2 H2 OMolecular Weight372.23Evaporation RateNot applicable - Solid

## **SECTION 10: STABILITY AND REACTIVITY**

| 10.1. Reactivity                                | None known, based on information available                                |  |
|---|---|--|
| 10.2. Chemical stability                        | Stable under normal conditions.   |  |
| 10.3. Possibility of hazardous reactions        |   |  |
| Hazardous Polymerization<br>Hazardous Reactions | Hazardous polymerization does not occur.<br>None under normal processing. |  |
| 10.4. Conditions to avoid                       | Incompatible products. Excess heat. Avoid dust formation.                 |  |
| 10.5. Incompatible materials                    | Strong oxidizing agents.  |  |

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Product Information**

| (a) acute toxicity; |  |
|---------------------|--|
| Oral                | Based on available data, the classification criteria are not met |
| Dermal              | Based on available data, the classification criteria are not met |
| Inhalation          | Category 4   |
|                     |  |

| Component     | LD50 Oral           | LD50 Dermal | LC50 Inhalation |
|---------------|---------------------|-------------|-----------------|
| Disodium EDTA | LD50 > 2 g/kg (Rat) | -           | -               |
|               |                     |             |                 |

| (b) skin corrosion/irritation;                               | Based on available data, the classification criteria are not met   |
|--|--|
| (c) serious eye damage/irritation;                           | Based on available data, the classification criteria are not met   |
| (d) respiratory or skin sensitization<br>Respiratory<br>Skin | Based on available data, the classification criteria are not met<br>Based on available data, the classification criteria are not met |
| (e) germ cell mutagenicity;                                  | Based on available data, the classification criteria are not met   |
| (f) carcinogenicity;   | Based on available data, the classification criteria are not met   |
|  | There are no known carcinogenic chemicals in this product  |
| (g) reproductive toxicity;                                   | Based on available data, the classification criteria are not met   |
| (h) STOT-single exposure;                                    | Based on available data, the classification criteria are not met   |
| (i) STOT-repeated exposure;                                  | Category 2   |
| Route of exposure<br>Target Organs                           | Inhalation<br>Respiratory system.  |
| (j) aspiration hazard;                                       | Not applicable<br>Solid  |
| Other Adverse Effects  | The toxicological properties have not been fully investigated.   |
| Symptoms / effects,both acute and<br>delayed                 | No information available.  |

11.2. Information on other hazards

| Endocrine Disrupting Properties | Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors. |
|---------------------------------|---|
|                                 |   |

# SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity Ecotoxicity effects

Do not empty into drains. .

### Diaminoethanetetra-acetic acid disodium salt dihydrate

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| assessment and very bioaccumulative (vPvB).  | Component       Micr         Disodium EDTA       EC50 = 56         Persistence and degradability       Readily biodegradable   | rotox<br>6 mg/L 8 h  |                              |            |  |  |
|--|--|--|------------------------------|------------|--|--|
| Disodium EDTA       EC50 = 56 mg/L 8 h         12.2. Persistence and degradability<br>Persistence       Readily biodegradable<br>Soluble in water, Persistence is unlikely, based on information available.         12.3. Bioaccumulative potential       Bioaccumulation is unlikely         Component       log Pow         Disodium EDTA       -4.3         No data available         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely b<br>environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB<br>assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v<br>and very bioaccumulative (vPvB).         12.6. Endocrine disrupting<br>properties       Figure 1000000000000000000000000000000000000   | Disodium EDTA EC50 = 56 Persistence and degradability Readily biodegradable  | 6 mg/L 8 h   | M-Factor                     |            |  |  |
| Disodium EDTA       EC50 = 56 mg/L 8 h         12.2. Persistence and degradability<br>Persistence       Readily biodegradable<br>Soluble in water, Persistence is unlikely, based on information available.         12.3. Bioaccumulative potential       Bioaccumulation is unlikely         Component       log Pow         Disodium EDTA       -4.3         No data available         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely b<br>environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB<br>assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v<br>and very bioaccumulative (vPvB).         12.6. Endocrine disrupting<br>properties       Figure 1000000000000000000000000000000000000   | Disodium EDTA EC50 = 56 Persistence and degradability Readily biodegradable  | 6 mg/L 8 h   | M-Factor                     |            |  |  |
| 12.2. Persistence and degradability<br>Persistence       Readily biodegradable<br>Soluble in water, Persistence is unlikely, based on information available.         12.3. Bioaccumulative potential       Bioaccumulation is unlikely         Component       log Pow         Disodium EDTA       -4.3         No data available         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be<br>environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB<br>assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v<br>and very bioaccumulative (vPvB).         12.6. Endocrine disrupting<br>properties       Persistence  | Persistence and degradability Readily biodegradable  |  |                              |            |  |  |
| Persistence       Soluble in water, Persistence is unlikely, based on information available.         12.3. Bioaccumulative potential       Bioaccumulation is unlikely         12.3. Bioaccumulative potential       Bioaccumulation is unlikely         Component       log Pow       Bioconcentration fact         Disodium EDTA       -4.3       No data available         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v and very bioaccumulative (vPvB).         12.6. Endocrine disrupting properties       Poperties   |  |  |                              |            |  |  |
| Persistence       Soluble in water, Persistence is unlikely, based on information available.         12.3. Bioaccumulative potential       Bioaccumulation is unlikely <b>Component</b> Bioaccumulation is unlikely <b>Component</b> Bioaccumulation is unlikely <b>Disodium EDTA</b> Bioaccumulation is unlikely <b>12.4. Mobility in soil</b> The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils <b>12.5. Results of PBT and vPvB</b> assessment           Substance is not considered persistent, bioaccumulative and toxic (PBT) / v         and very bioaccumulative (vPvB). <b>12.6. Endocrine disrupting</b> properties <b>12.6. Endocrine disrupting 12.6. Endocrine disrupting</b> |  |  |                              |            |  |  |
| Component       log Pow       Bioconcentration fact         Disodium EDTA       -4.3       No data availabl         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v and very bioaccumulative (vPvB).         12.6. Endocrine disrupting properties       Properties   |  | stence is unlikely, bas  |                              |            |  |  |
| Disodium EDTA       -4.3       No data availabl         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v and very bioaccumulative (vPvB).         12.6. Endocrine disrupting properties       Properties   | Bioaccumulative potential Bioaccumulation is unli  | Bioaccumulation is unlikely  |                              |            |  |  |
| Disodium EDTA       -4.3       No data availabl         12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v and very bioaccumulative (vPvB).         12.6. Endocrine disrupting properties       Properties   | Component  | Pow  | Bioconcentration fa          | ctor (BCE) |  |  |
| 12.4. Mobility in soil       The product is water soluble, and may spread in water systems Will likely be environment due to its water solubility. Highly mobile in soils         12.5. Results of PBT and vPvB assessment       Substance is not considered persistent, bioaccumulative and toxic (PBT) / v and very bioaccumulative (vPvB).         12.6. Endocrine disrupting properties       Properties   |  |  |                              |            |  |  |
| properties   |  | Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB). |                              |            |  |  |
|  | indocrine disrupting   | This product does not contain any known or suspected endocrine disruptors  |                              |            |  |  |
| 12.7. Other adverse effectsPersistent Organic PollutantThis product does not contain any known or suspected substanceOzone Depletion PotentialThis product does not contain any known or suspected substance   | rties  | contain any known or   | suspected endocrine disrupto | ors        |  |  |
| SECTION 13: DISPOSAL CONSIDERATIONS  | Intermediate       This product does not of the product does n | contain any known or   | suspected substance          | ors        |  |  |

|--|

| Waste from Residues/Unused<br>Products | Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. |
|--|--|
| Contaminated Packaging                 | Dispose of this container to hazardous or special waste collection point.  |
| European Waste Catalogue (EWC)         | According to the European Waste Catalog, Waste Codes are not product specific, but application specific.   |
| Other Information                      | Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains.  |

# **SECTION 14: TRANSPORT INFORMATION**

#### IMDG/IMO

Not regulated

<u>14.1. UN number</u> 14.2. UN proper shipping name

Diaminoethanetetra-acetic acid disodium salt dihydrate

| 14.3. Transport hazard class(es)<br>14.4. Packing group   |                                  |
|---|----------------------------------|
| 14.4. Packing group   |                                  |
| ADR   | Not regulated                    |
| <u>14.1. UN number</u><br><u>14.2. UN proper shipping name</u><br><u>14.3. Transport hazard class(es)</u><br><u>14.4. Packing group</u> |                                  |
| ΙΑΤΑ  | Not regulated                    |
| <u>14.1. UN number</u><br><u>14.2. UN proper shipping name</u><br><u>14.3. Transport hazard class(es)</u><br><u>14.4. Packing group</u> |                                  |
| 14.5. Environmental hazards   | No hazards identified            |
| 14.6. Special precautions for user  | No special precautions required. |
| 14.7. Maritime transport in bulk according to IMO instruments   | Not applicable, packaged goods   |

# **SECTION 15: REGULATORY INFORMATION**

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

#### International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component   | CAS No    | EINECS    | ELINCS | NLP | IECSC | TCSI | KECL     | ENCS | ISHL |
|---|-----------|-----------|--------|-----|-------|------|----------|------|------|
| Ethylenediaminetetraacetic acid,<br>disodium salt dihydrate | 6381-92-6 | -         | -      | -   | X     | Х    | -        | -    | -    |
| Disodium EDTA   | 139-33-3  | 205-358-3 | -      | -   | Х     | Х    | KE-13651 | Х    | Х    |

| Component  | CAS No    | TSCA | TSCA Inventory<br>notification -<br>Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|--|-----------|------|---|-----|------|------|-------|-------|
| Ethylenediaminetetraacetic acid, disodium salt dihydrate | 6381-92-6 | -    | -   | Х   | -    | Х    | Х     | Х     |
| Disodium EDTA  | 139-33-3  | Х    | ACTIVE  | Х   | -    | Х    | Х     | Х     |

Legend: X - Listed '-' - Not Listed

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

Not applicable

| Component   | CAS No    | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization |   | REACH Regulation (EC<br>1907/2006) article 59 -<br>Candidate List of<br>Substances of Very High<br>Concern (SVHC) |
|---|-----------|---|---|---|
| Ethylenediaminetetraacetic acid,<br>disodium salt dihydrate | 6381-92-6 | -   | - | -   |
| Disodium EDTA   | 139-33-3  | -   | - | -   |

#### Seveso III Directive (2012/18/EC)

#### Diaminoethanetetra-acetic acid disodium salt dihydrate

| Component  | CAS No    | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Major Accident<br>Notification | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Safety Report<br>Requirements |
|--|-----------|---|--|
| Ethylenediaminetetraacetic acid, disodium salt dihydrate | 6381-92-6 | Not applicable  | Not applicable   |
| Disodium EDTA  | 139-33-3  | Not applicable  | Not applicable   |

# Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

#### WGK Classification

See table for values

| Component                        | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|----------------------------------|---------------------------------------|-------------------------|
| Ethylenediaminetetraacetic acid, | WGK2                                  |                         |
| disodium salt dihydrate          |                                       |                         |
| Disodium EDTA                    | WGK2                                  |                         |

| Component  | Switzerland - Ordinance on the<br>Reduction of Risk from<br>handling of hazardous<br>substances preparation (SR<br>814.81) | Switzerland - Ordinance on<br>Incentive Taxes on Volatile<br>Organic Compounds (OVOC) | Switzerland - Ordinance of the<br>Rotterdam Convention on the<br>Prior Informed Consent<br>Procedure |
|--|--|---|--|
| Ethylenediaminetetraacetic acid, disodium<br>salt dihydrate<br>6381-92-6 ( >95 ) | Prohibited and Restricted<br>Substances  |   |  |
| Disodium EDTA<br>139-33-3 ( - )  | Prohibited and Restricted<br>Substances  |   |  |

#### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

### **SECTION 16: OTHER INFORMATION**

#### Full text of H-Statements referred to under sections 2 and 3

H332 - Harmful if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

#### Legend

#### Diaminoethanetetra-acetic acid disodium salt dihydrate

| CAS - Chemical Abstracts Service  | TSCA - United States Toxic Substances Control Act Section 8(b)<br>Inventory  |
|---|--|
| EINECS/ELINCS - European Inventory of Existing Commercial Chemica                             | I DSL/NDSL - Canadian Domestic Substances List/Non-Domestic                  |
| Substances/EU List of Notified Chemical Substances  | Substances List  |
| <b>PICCS</b> - Philippines Inventory of Chemicals and Chemical Substances                     | ENCS - Japanese Existing and New Chemical Substances                         |
| IECSC - Chinese Inventory of Existing Chemical Substances                                     | AICS - Australian Inventory of Chemical Substances                           |
| KECL - Korean Existing and Evaluated Chemical Substances                                      | NZIOC - New Zealand Inventory of Chemicals                                   |
| WEL - Workplace Exposure Limit  | TWA - Time Weighted Average  |
| ACGIH - American Conference of Governmental Industrial Hygienists                             | IARC - International Agency for Research on Cancer                           |
| DNEL - Derived No Effect Level  | Predicted No Effect Concentration (PNEC)                                     |
| <b>RPE</b> - Respiratory Protective Equipment   | LD50 - Lethal Dose 50%   |
| LC50 - Lethal Concentration 50%   | EC50 - Effective Concentration 50%   |
| NOEC - No Observed Effect Concentration   | POW - Partition coefficient Octanol:Water                                    |
| <b>PBT</b> - Persistent, Bioaccumulative, Toxic   | vPvB - very Persistent, very Bioaccumulative                                 |
| ADR - European Agreement Concerning the International Carriage of                             | ICAO/IATA - International Civil Aviation Organization/International Air      |
| Dangerous Goods by Road   | Transport Association  |
| IMO/IMDG - International Maritime Organization/International Maritime<br>Dangerous Goods Code | MARPOL - International Convention for the Prevention of Pollution from Ships |
| OECD - Organisation for Economic Co-operation and Development                                 | ATE - Acute Toxicity Estimate  |
| BCF - Bioconcentration factor   | VOC - (Volatile Organic Compound)  |
| Key literature references and sources for data  |  |
| https://echa.europa.eu/information-on-chemicals   |  |
| Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, F                               | RTECS  |
|   |  |

#### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

| Creation Date    | 03-Sep-2009     |
|------------------|-----------------|
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| Revision Summary | Not applicable. |

# This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

#### Disclaimer

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# End of Safety Data Sheet