



PMD (UK) LIMITED

## SAFETY DATA SHEET

### GILDAURA 18MY ELECTROLYTE SALT

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

##### 1.1. Product identifier

**Product name** GILDAURA 18MY ELECTROLYTE SALT

**Product number** 039006,039035,039005,998 133

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

**Identified uses** Plating agents and metal surface treating agents.

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

**Supplier** PMD (UK) Limited  
 Broad Lane  
 Coventry  
 CV5 7AY  
 Tel: 024 764 666 91  
 Fax: 024 764 730 34

stevel@pmdgroup.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** 024 764 666 91 (Mon-Fri 8.30-17.00)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 3 - H301 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 Elicitation - EUH208 Carc. 1B - H350 Repr. 1A - H360FD

**Environmental hazards** Aquatic Chronic 2 - H411

**Classification (67/548/EEC or 1999/45/EC)** Carc. Cat. 1;R45,R49,Repr. Cat. 2;R60,R61. Xn;R22. Xi;R36. N;R51/53. R32.

##### 2.2. Label elements

###### Pictogram



**Signal word**

Danger

## GILDAURA 18MY ELECTROLYTE SALT

<b>Hazard statements</b>	H301 Toxic if swallowed. H312+H332 Harmful in contact with skin or if inhaled. H319 Causes serious eye irritation. H350 May cause cancer. H360FD May damage fertility. May damage the unborn child. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains ORGANIC NICKEL SALT. May produce an allergic reaction.
<b>Precautionary statements</b>	P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. 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.
<b>Supplemental label information</b>	RCH002b For professional users only.
<b>Contains</b>	POTASSIUM CYANATE, BORIC ACID, E.D.T.A disodium salt. dihydrate, GOLD POTASSIUM CYANIDE, ORGANIC CADMIUM SALT, ORGANIC NICKEL SALT
<b>Supplementary precautionary statements</b>	P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 IF exposed or concerned: Get medical advice/attention. P312 Call a POISON CENTER/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P405 Store locked up. P501 Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>POTASSIUM CYANATE</b>			<b>10-30%</b>
CAS number: 590-28-3	EC number: 209-676-3	REACH registration number: 01-2119555275-36-XXXX	
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302 Eye Irrit. 2 - H319		Xn;R22	
<b>SODIUM CARBONATE</b>			<b>10-30%</b>
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-XXXX	
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319		Xi;R36	

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<b>BORIC ACID</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 10043-35-3	EC number: 233-139-2	REACH registration number: 01-2119486683-25-XXXX
<b>Classification</b> Repr. 1B - H360FD	<b>Classification (67/548/EEC or 1999/45/EC)</b> Repr. Cat. 2;R60,R61	
<b>E.D.T.A disodium salt. dihydrate</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 6381-92-6	EC number: 205-358-3	REACH registration number: 01-2119486775-20-XXXX
<b>Classification</b> Acute Tox. 4 - H332 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20.	
<b>GOLD POTASSIUM CYANIDE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 13967-50-5	EC number: 237-748-4	M factor (Chronic) = 1
<b>Classification</b> Acute Tox. 2 - H300 Acute Tox. 2 - H310 Acute Tox. 2 - H330 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> T;R23/24/25. N;R50/53. R32.	
<b>ORGANIC CADMIUM SALT</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: —	M factor (Chronic) = 10	
<b>Classification</b> Acute Tox. 2 - H330 Muta. 2 - H341 Carc. 1B - H350 Repr. 2 - H361 STOT RE 1 - H372 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 2;R45. Xn;R20/21/22.	

## GILDAURA 18MY ELECTROLYTE SALT

<b>ORGANIC NICKEL SALT</b>	<b>&lt;1%</b>
CAS number: —	
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b> Skin Irrit. 2 - H315 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Muta. 2 - H341 Repr. 1A - H360D Acute Tox. 4 - H302 Acute Tox. 4 - H332 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> T;R48/23. Carc. Cat. 3;R49,Repr. Cat. 1;R61. Xn;R20/22. Muta. Cat. 3;R68. Xi;R38. N;R50/53. R42/43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	CAUTION! First aid personnel must be aware of own risk during rescue! Remove affected person from source of contamination. Get medical attention.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person. Remove affected person from source of contamination. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	Toxic if swallowed.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Eye contact</b>	May cause severe eye irritation.

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

## GILDAURA 18MY ELECTROLYTE SALT

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

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

**Methods for cleaning up** Do not touch or walk into spilled material. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Inform authorities if large amounts are involved.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C.

**Storage class** Toxic storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **GOLD POTASSIUM CYANIDE**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>(Sk)

#### **ORGANIC CADMIUM SALT**

Long-term exposure limit (8-hour TWA): WEL 0.025(Cd) mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### POTASSIUM CYANATE (CAS: 590-28-3)

#### **DNEL**

Workers - Inhalation; Long term systemic effects: 25 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 81.8 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 28.57 mg/kg/day  
 Workers - Dermal; Short term systemic effects: 100 mg/kg/day

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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.018 mg/l</li> <li>- Marine water; 0.0018 mg/l</li> <li>- Intermittent release; 0.18 mg/l</li> <li>- STP; 100 mg/l</li> <li>- Sediment (Freshwater); 0.0914 mg/kg</li> <li>- Sediment (Marinewater); 0.00914 mg/kg</li> <li>- Soil; 0.0078 mg/kg</li> </ul>
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### BORIC ACID (CAS: 10043-35-3)

<b>DNEL</b>	<p>Industry - Inhalation; Long term systemic effects: 8.3 mg/m<sup>3</sup></p> <p>Industry - Dermal; Long term systemic effects: 3924800 mg/kg/day</p> <p>Consumer - Oral; Short term systemic effects: 0.98 mg/kg/day</p> <p>Consumer - Dermal; Long term local effects: 196 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 0.98 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 4.15 mg/m<sup>3</sup></p> <p>Consumer - Oral; Long term systemic effects: 0.98 mg/kg/day</p>
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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 1.35 mg/l</li> <li>- Marine water; 1.35 mg/l</li> <li>- water; Intermittent release 9.1 mg/l</li> <li>- Sediment; 1.8 mg/kg</li> <li>- STP; 1.75 mg/l</li> </ul>
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### SODIUM CARBONATE (CAS: 497-19-8)

<b>DNEL</b>	Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup>
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### E.D.T.A disodium salt. dihydrate (CAS: 6381-92-6)

<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
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<b>DNEL</b>	<p>Workers - Inhalation; Long term local effects: 1.5 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Short term local effects: 3 mg/m<sup>3</sup></p>
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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 2.2 mg/l</li> <li>- Marine water; 0.22 mg/l</li> <li>- Intermittent release; 1.2 mg/l</li> </ul>
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### ORGANIC CADMIUM SALT

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 0.004 mg/m <sup>3</sup>
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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.19 µg/l</li> <li>- Marine water; 1.14 µg/l</li> <li>- STP; 20 µg/l</li> <li>- Sediment (Freshwater); 1.8 mg/kg</li> <li>- Sediment (Marinewater); 0.64 mg/kg</li> <li>- Soil; 0.9 mg/kg</li> </ul>
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## 8.2. Exposure controls

### Protective equipment



## GILDAURA 18MY ELECTROLYTE SALT

<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation.
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles.
<b>Hand protection</b>	Use protective gloves.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	Wear a suitable dust mask.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Dusty powder.
<b>Colour</b>	Various colours.
<b>pH</b>	pH (diluted solution): 7-9 @ 5%
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid contact with acids. Generates very toxic gas in contact with acid.
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#### 10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Toxic gases/vapours/fumes of: Hydrogen cyanide (HCN).
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	185.94
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##### Acute toxicity - dermal

<b>ATE dermal (mg/kg)</b>	1,976.28
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##### Acute toxicity - inhalation

<b>ATE inhalation (gases ppm)</b>	3,645.79
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## GILDAURA 18MY ELECTROLYTE SALT

**ATE inhalation (vapours mg/l)** 16.86

**ATE inhalation (dusts/mists mg/l)** 1.31

**Inhalation** Gas or vapour is harmful on prolonged exposure or in high concentrations.

**Ingestion** Toxic if swallowed.

**Skin contact** Toxic through skin absorption (percutaneous).

**Eye contact** Severe irritation, burning and tearing.

**Acute and chronic health hazards** Known or suspected carcinogen for humans. Known or suspected mutagen.

**Route of entry** Inhalation Skin absorption Ingestion. Skin and/or eye contact

### Toxicological information on ingredients.

#### SODIUM CARBONATE

**Skin contact** Irritating to skin.

**Eye contact** Irritating to eyes.

#### BORIC ACID

**Inhalation** Harmful by inhalation.

**Ingestion** Harmful if swallowed.

**Skin contact** Harmful: danger of serious damage to health by prolonged exposure in contact with skin.

**Eye contact** Irritating to eyes.

**Acute and chronic health hazards** Known or suspected mutagen.

**Target organs** No specific target organs known.

#### E.D.T.A disodium salt. dihydrate

**Inhalation** Harmful by inhalation.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Powder may irritate skin.

**Eye contact** Particles in the eyes may cause irritation and smarting.

**Acute and chronic health hazards** The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

#### GOLD POTASSIUM CYANIDE



## GILDAURA 18MY ELECTROLYTE SALT

<b>Inhalation</b>	Very toxic by inhalation. Unconsciousness, possibly death.
<b>Ingestion</b>	Very toxic if swallowed. Unconsciousness, possibly death.
<b>Skin contact</b>	Toxic through skin absorption (percutaneous).
<b>Eye contact</b>	Severe irritation, burning and tearing.
<b>Acute and chronic health hazards</b>	Gas or vapour is toxic or extremely irritating, even on brief exposure. Gas or vapour displaces oxygen available for breathing (asphyxiant). This chemical can be hazardous when inhaled and/or touched. Toxic through skin absorption (percutaneous). Repeated exposure may cause chronic eye irritation. Exposure may cause: Unconsciousness. Death.
<b>Route of entry</b>	Inhalation Skin absorption Ingestion. Skin and/or eye contact
<b>Medical symptoms</b>	Cyanosis (blue tissue condition - nails, lips and/or skin).

### ORGANIC CADMIUM SALT

#### Acute toxicity - inhalation

<b>ATE inhalation (dusts/mists mg/l)</b>	0.05
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## SECTION 12: Ecological Information

<b>Ecotoxicity</b>	The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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#### Ecological information on ingredients.

### GOLD POTASSIUM CYANIDE

<b>Ecotoxicity</b>	Dangerous for the environment if discharged into watercourses.
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#### **12.1. Toxicity**

#### Ecological information on ingredients.

### BORIC ACID

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 456 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 760 mg/l, Daphnia magna

### GOLD POTASSIUM CYANIDE

<b>Toxicity</b>	Very toxic to aquatic organisms.
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#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
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#### Chronic aquatic toxicity

<b>NOEC</b>	0.01 < NOEC ≤ 0.1
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<b>Degradability</b>	Non-rapidly degradable
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<b>M factor (Chronic)</b>	1
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**GILDAURA 18MY ELECTROLYTE SALT****ORGANIC CADMIUM SALT****Chronic aquatic toxicity**

<b>NOEC</b>	0.001 < NOEC ≤ 0.01
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	10

**ORGANIC NICKEL SALT****Acute aquatic toxicity**

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1

**Chronic aquatic toxicity**

<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	1

**12.2. Persistence and degradability****12.3. Bioaccumulative potential****Ecological information on ingredients.****BORIC ACID**

**Bioaccumulative potential** The product is not bioaccumulating.

**12.4. Mobility in soil****Ecological information on ingredients.****BORIC ACID**

**Mobility** Mobile.

**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal methods** Reuse or recycle products wherever possible. Alternatively React with sodium hypochlorite to destroy. Check that all cyanide has been destroyed with starch iodide paper. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****14.1. UN number**

<b>UN No. (ADR/RID)</b>	3077
<b>UN No. (IMDG)</b>	3077
<b>UN No. (ICAO)</b>	3077

## GILDAURA 18MY ELECTROLYTE SALT

UN No. (ADN) 3077

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Gold potaasium cyanide, Organic nickel salt)

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Gold potaasium cyanide, Organic nickel salt)

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Gold potaasium cyanide, Organic nickel salt)

**Proper shipping name (ADN)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Gold potaasium cyanide, Organic nickel salt)

### 14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M7

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

#### Transport labels



### 14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code 2Z

Hazard Identification Number (ADR/RID) 90

Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

## GILDAURA 18MY ELECTROLYTE SALT

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Key literature references and sources for data</b>	Dangerous Properties of Industrial Chemicals, N.Sax, Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.
<b>Revision date</b>	02/06/2015
<b>Revision</b>	7
<b>Supersedes date</b>	27/05/2010
<b>Risk phrases in full</b>	R20 Harmful by inhalation. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R20/22 Harmful by inhalation and if swallowed. R22 Harmful if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R32 Contact with acids liberates very toxic gas. R36 Irritating to eyes. R38 Irritating to skin. R42/43 May cause sensitisation by inhalation and skin contact. R45 May cause cancer. R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation. R49 May cause cancer by inhalation. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R60 May impair fertility. R61 May cause harm to the unborn child. R68 Possible risk of irreversible effects.

## GILDAURA 18MY ELECTROLYTE SALT

### Hazard statements in full

H300 Fatal if swallowed.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H360D May damage the unborn child.  
H360FD May damage fertility. May damage the unborn child.  
H361 Suspected of damaging fertility or the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
EUH208 Contains ORGANIC NICKEL SALT. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.