

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

#### 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

GHS Product identifier

Trade Name	: Galguard Tetra
Chemical identity of ingredients that contribute to classification	: Phenoxyethanol, Benzoic Acid, Capryloyl Glycine, Undecylenoyl Glycine
Recommended use of the chemical and restrictions on use	
Use of the substance/mixture	: Ingredient in Personal and Home Care products
Supplier's details	: Galaxy Surfactants Limited C-49/2, TTC Industrial Area Pawne, Navi Mumbai, 400703, India Tel: +91-22-27616666 / +91-22-39135500 e-mail: <a href="mailto:galaxy@galaxysurfactants.com">galaxy@galaxysurfactants.com</a>
Emergency telephone number	: For product information: +91-9967540569 / +91-9867673376 (Language: English) For Incident (Spill, Leak, Fire, Exposure, or Accident) CHEMTREC (Day or Night): +1 703-741-5970 / 1-800-424-9300

#### 2. HAZARD IDENTIFICATION

##### Classification of the substance or mixture:

Acute oral toxicity Category 5; H303  
Skin irritation Category 2; H315  
Eye damage Category 1; H318  
Acute aquatic toxicity Category 3; H402

##### GHS label elements, including precautionary statements

Hazard pictogram:



Signal word: Danger

Hazard statement(s):

H303: May be harmful if swallowed.

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

H315: Causes skin irritation.

H318: Causes serious eye damage.

H402: Harmful to aquatic life.

Precautionary statement(s):

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P501: Dispose off contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification : Not known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI/Chemical Name	Synonyms	CAS Number	EC Number	% Concentration
Phenoxyethanol	2-phenoxyethanol	122-99-6	204-589-7	< 92
Benzoic Acid	Benzenecarboxylic acid	65-85-0	200-618-2	< 25
Capryloyl Glycine	N-(1-oxooctyl)glycine; 2-(otanoylamino)acetic acid	14246-53-8	238-122-3	< 5
Undecylenoyl Glycine	2-(undec-10-enamido)acetic acid; 10-Undecenoyl Glycine; (undec-10-enoylamino)acetic acid	54301-26-7	427-430-5	< 10

### 4. FIRST- AID MEASURES

Description of necessary first-aid measures

Inhalation : Remove to fresh air. Seek medical attention, if necessary

---



## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

Skin contact	: Flush with soap and plenty of water for at least 15 minutes. Seek medical advice, if necessary
Eye contact	: Immediately flush eyes with running water, keeping the eyelids open forcibly. Remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Seek medical attention
Ingestion	: Immediately rinse mouth and then drink plenty of water. Seek medical attention, if necessary
Most important symptoms/effects, acute and delayed	
Skin contact	: Causes skin irritation
Eye contact	: Causes serious eye damage
Ingestion	: May be harmful if swallowed
Indication of immediate medical attention and special treatment needed, if necessary	
Treatment	: Treat symptomatically

### 5. FIRE- FIGHTING MEASURES

Suitable extinguishing media	: Dry chemical powder, carbon dioxide, foam, water fog/spray
Unsuitable extinguishing media	: Do not use direct water jet, which may spread fire
Specific hazards arising from the chemical	: Development of hazardous combustion products like oxides of carbon, nitrogen or various hydrocarbons possible in the event of fire
Special protective equipment and precautions for fire-fighters	: Wear personal protective equipment and self-contained breathing apparatus

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Wash hands after exposure with the product. Avoid inhalation. Avoid contact with skin, eyes and clothing
Environmental precautions	: Do not discharge into drains, surface water or ground water
Methods and material for containment and cleaning up	: Steps to be taken if material is released or spilled: Small spill: Absorb with suitable absorbent material. Collect in suitable and properly labeled container. Large spill: Contain spilled material if possible. Pump into

---



## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

suitable and properly labeled containers. Dispose off absorbed material/ collected material in accordance with regulations

### 7. HANDLING AND STORAGE

Precautions for safe handling

: Follow general occupational hygiene such as, wash hands after use. Remove contaminated clothing. Avoid spill. Use appropriate personal protective equipment while handling the material. Avoid inhalation. Follow safe procedures for loading and unloading of product

Conditions for safe storage, including any incompatibilities

: Store the material in a clean, dry place at 25-35°C away from direct heat and sunlight. Keep the container tightly closed after use. Product solidifies, if stored below 5°C for prolonged time. If it solidifies, it is recommended to heat the jacketed ISO containers with hot water to bring the temperature of the product 55°C maximum. If the product freezes in IBC / HMHDPE carboys then keep the same in hot room of 30-40°C (avoid direct heating) to raise the temperature of material to 30 - 35°C and homogenize. Colour of the product may deteriorate on exposure to heat and sunlight. Once carboy/ IBC is opened, it is recommended to consume the product within a week. When taken in ISO container, it is recommended that material be consumed within one month's time, after unloading in storage tank. In original sealed conditions, when stored as suggested, the shelf life of product is at least one year.

Stacking of carboys (palletized/non-palletized): 1+1, both while transport and during storage

Stacking of IBC: 1+1, both while transport and during storage

Suitable packing materials

: HMHDPE carboys / IBC / ISO tank

Unsuitable packing materials

: No data available

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

**Occupational exposure limits for Phenoxyethanol (CAS Number: 122-99-6; EC Number: 204-589-7)**

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Austria	20	110	20	110

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

Canada -Ontario	25	141	-	-
Finland	20	110	50 (15 minutes average value)	290 (15 minutes average value)
Germany (AGS)	1 (Inhalable fraction and vapour)	5.7 (Inhalable fraction and vapour)	1 (Inhalable fraction and vapour) (15 minutes average value)	5.7 (Inhalable fraction and vapour) (15 minutes average value)
Germany (DFG)	1 (Inhalable fraction and vapour)	5.7 (Inhalable fraction and vapour)	1 (Inhalable fraction and vapour) (15 minutes average value)	5.7 (Inhalable fraction and vapour) (15 minutes average value)
Poland	-	230	-	-
Switzerland	20	110	20 (15 minutes average value)	110 (15 minutes average value)

### Occupational exposure limits for Benzoic Acid (CAS Number: 65-85-0; EC Number: 200-618-2)

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Germany (AGS)	0.1 (Inhalable fraction and vapour)	0.5 (Inhalable fraction and vapour)	0.4 (Inhalable fraction and vapour) (15 minutes average value)	2 (Inhalable fraction and vapour) (15 minutes average value)
Germany (DFG)	-	0.5 (Respirable fraction) (Inhalable fraction and vapour)	-	2 (Respirable fraction) (Inhalable fraction and vapour) (15 minutes average value)
Latvia	-	5	-	-
Switzerland	0.2	1 (Respirable fraction)	0.8	4 (Respirable fraction) (15 minutes average value)
	-	10 (Inhalable fraction)	-	20 (Inhalable fraction) (15 minutes average value)

(Source: Based on GESTIS International Limit values Database via: <https://limitvalue.ifa.dguv.de/>, as on date: 4.2.2020)

- Biological limit values : Not known
- Appropriate engineering controls : Proper plant design, technical measures and working operations should minimize human exposure
- Individual protection measures, such as personal protective equipment (PPE) : Eye/face protection: Safety goggles  
Skin protection: Apron, rubber gloves and shoes  
Respiratory protection : Required when vapours/aerosols are generated

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance

Physical state	: Clear low viscous liquid
Colour	: Colourless to pale yellow
Odour	: Faint aromatic
Odour threshold	: No data available
pH (5% aqueous solution)	: 4.8 - 6.0 at 25°C
Freezing point	: < 5°C
Initial boiling point and boiling range	: > 100°C at 760 mm Hg (based on water content)
Flash point	: Not applicable (aqueous product)
Evaporation rate	: No data available
Flammability (solid, gas)	: Non-flammable
Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.1200 - 1.1300 at 25°C
Solubility(ies)	: Soluble in alcohols. Insoluble in acetone and diethyl ether Water solubility: 5% at 25°C
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity (Brookfield, LVT, #1, 30 rpm)	: < 100 cP at 25°C

#### 10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions, if stored and handled as prescribed (Refer Section 7)
Chemical stability	: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure
Possibility of hazardous reactions	: Not anticipated when used or handled as prescribed
Conditions to avoid	: Sunlight, heat, flame and other sources of ignition

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

Incompatible materials : Acids, alkali, oxidising or reducing agents  
 Hazardous decomposition products : Will not form, if stored or handled as prescribed

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological information of Phenoxyethanol

Acute oral toxicity (Rat) : LD<sub>50</sub>: 1840 mg/kg bw (female)  
 (Equivalent or similar to OECD Guideline 401)

Acute dermal toxicity (Rabbit) : LD<sub>50</sub>: > 2214 mg/kg bw  
 (Draft IRLG (Interagency Regulatory Liaison Group) Guidelines  
 for Selected Acute Toxicity Tests (August. 1979))

Acute inhalation toxicity (Rat) (Aerosol) : LC<sub>50</sub>: > 1000 mg/m<sup>3</sup> air  
 (OECD Guideline 412)

Skin corrosion/irritation (Rabbit) : No irritation  
 (OECD Guideline 404)

Serious eye damage/irritation (Rabbit) : Irritating  
 (OECD Guideline 405)

Respiratory or skin sensitization (Guinea pig) : No sensitization  
 (OECD Guideline 406/EU Method B.6/EPA OPPTS 870.2600)

Germ cell mutagenicity

Bacterial reverse mutation assay (in vitro) : Negative  
 (OECD Guideline 471/EU Method B.13/14)

Micronucleus assay (in vivo) : Negative  
 (OECD Guideline 474/EU Method B.12/EPA OPPTS 870.5395)

Carcinogenicity : Carcinogenicity not expected  
 Toxicity: Rat (Oral): NOAEL: 249 mg/kg bw/day  
 Toxicity: Mouse (Oral): NOAEL: 468 mg/kg bw/day  
 (OECD Guideline 451)

Reproductive toxicity : Not classified  
 Effects on fertility  
 Mouse (Oral) male/female: NOAEL: 375 mg/kg bw/day  
 (Reproductive Assessment by Continuous Breeding (RACB);  
 protocol devised by the NTP)

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

	Maternal toxicity: Oral (Rat): NOAEL: 300 mg/kg bw/day Embryotoxicity/teratogenicity: Oral (Rat): NOAEL: 1000 mg/kg bw/day (OECD Guideline 414/EU Method B.31/EPA OPPTS 870.3700)
	Maternal toxicity: Dermal (Rabbit): NOAEL: 300 mg/kg bw/day Embryotoxicity/teratogenicity: Dermal (Rabbit): NOAEL: 600 mg/kg bw/day (Equivalent or similar to OECD Guideline 414)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
	Repeated dose toxicity: Oral (Rat): NOAEL: $\geq 700$ mg/kg bw/day (OECD Guideline 408/EU Method B.26/EPA OPPTS 870.3100)
	Repeated dose toxicity: Dermal (Rabbit): NOAEL: 500 mg/kg bw/day (Equivalent or similar to OECD Guideline 411)
	Repeated dose toxicity: Inhalation (Rat): NOAEC: 48.2 mg/m <sup>3</sup> (OECD Guideline 412)
Aspiration hazard	: Not classified
<b>Toxicological information of Benzoic Acid</b>	
Acute oral toxicity (Mouse)	: LD <sub>50</sub> : 2250 mg/kg bw (Equivalent or similar to OECD Guideline 401)
Acute dermal toxicity (Rabbit)	: LD <sub>50</sub> : > 2000 mg/kg bw (Fixed dose procedure)
Acute inhalation toxicity (Rat)	: LC <sub>50</sub> (4 h): > 12200 mg/m <sup>3</sup> air (dust)
Skin corrosion/irritation (Guinea pig)	: Irritating
Serious eye damage/irritation (Rabbit)	: Corrosive (EU Method B.5)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (Equivalent or similar to OECD Guideline 406)
Germ cell mutagenicity	
Bacterial reverse mutation assay (in vitro)	: Negative (Equivalent or similar to OECD Guideline 471)
In vitro mammalian cell micronucleus test	: Negative (Equivalent or similar to OECD Guideline 487)

---



## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

Chromosome aberration assay (in vivo)	: Negative (Equivalent or similar to OECD Guideline 475) Read-across approach
Carcinogenicity	: Not classified  Carcinogenicity (Rat): NOAEL: > 1000 mg/kg bw/day Read-across approach
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Classified  Repeated dose toxicity: Oral (Rat): NOAEL: 1000 mg/kg bw/day Read-across approach  Repeated dose toxicity: Dermal (Rabbit): NOAEL: > 2500 mg/kg bw/day (EPA OPP 82-2)  Repeated dose toxicity: Inhalation: dust (Rat): NOAEC: ≤ 25 mg/m <sup>3</sup> air NOAEL systemic: 250 mg/m <sup>3</sup> air (Equivalent or similar to OECD Guideline 412)
Aspiration hazard	: Not classified

### Toxicological information of Capryloyl Glycine

Acute oral toxicity (Rat)	: LD <sub>50</sub> : > 10000 mg/kg bw
Acute dermal toxicity (Rat)	: LD <sub>50</sub> : > 2000 mg/kg bw (OECD Guideline 402)
Acute inhalation toxicity	: No data available
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation (Rabbit)	: Irritating (OECD Guideline 405)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (Guideline: BIOGIR SA Protocole SMK)
Germ cell mutagenicity	
Bacterial reverse mutation assay (in vitro)	: Non-mutagenic (OECD Guideline 471)
Mammalian cell gene mutation assay (in vitro)	: Non-mutagenic (OECD Guideline 476)

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

In vitro mammalian chromosome aberration test	: Negative (OECD Guideline 473)
Carcinogenicity	: No data available
Reproductive toxicity	: Not classified  Toxicity to reproduction: Oral (Rat): NOAEL parental toxicity: 200 mg/kg bw/day NOEL reproduction (mating and fertility): 200 mg/kg bw/day NOEL offspring toxicity: 200 mg/kg bw/day (OECD Guideline 422)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified  Repeated dose toxicity: Oral (Rat): NOAEL: 200 mg/kg bw/day (OECD Guideline 422)
Aspiration hazard	: Not classified

### Toxicological information of Undecylenoyl Glycine

Acute oral toxicity (Rat)	: LD <sub>0</sub> : > 2000 mg/kg bw (OECD Guideline 401)
Acute dermal toxicity (Rat)	: LD <sub>0</sub> : > 2000 mg/kg bw (OECD Guideline 402/EU Method B.3)
Acute inhalation toxicity	: No data available
Skin corrosion/irritation (Rabbit)	: Not irritating (OECD Guideline 404)
Serious eye damage/irritation (Rabbit)	: Irritating with effects not fully reversible within 21 days (OECD Guideline 405)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (OECD Guideline 406)
Germ cell mutagenicity	
In vitro mammalian chromosome aberration test	: Negative (OECD Guideline 473)
Bacterial reverse mutation assay (in vitro)	: Negative (OECD Guideline 471/Directive 92/69/EEC Method B14/EPA (TSCA))
Carcinogenicity	: No data available
Reproductive toxicity	: No data available

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified Repeated dose toxicity: Oral (Rat): NOEL: 15 mg/kg bw/day (OECD Guideline 407 / EU Method B.7)
Aspiration hazard	: Not classified
Information on the likely routes of exposure	: Inhalation, dermal and oral
Symptoms related to the physical, chemical and toxicological characteristics	: Ingestion: May be harmful if swallowed Skin contact: Causes skin irritation Eye contact: Causes serious eye damage
Delayed and immediate effects and also chronic effects from short and long term exposure	: Short term exposure: Not known Long term exposure: Not known

## 12. ECOLOGICAL INFORMATION

### Ecological information of Phenoxymethanol

Short-term toxicity to fish	: Pimephales promelas LC <sub>50</sub> (96 h): 344 mg/l (ASTM Guideline)
Long-term toxicity to fish	: Pimephales promelas NOEC (34 d): 23 mg/l (based on mortality) (OECD Guideline 210/EPA OPP 72-4/EPA OPPTS 850.1400)
Short-term toxicity to aquatic invertebrates	: Daphnia magna LC <sub>50</sub> (48 h): 488 mg/l (Equivalent or similar to EPA OPP 72-2)
Long-term toxicity to aquatic invertebrates	: Daphnia magna NOEC (21 d): 9.43 mg/l (based on reproduction) NOEC (21 d): 49.2 mg/l (based on growth) (OECD Guideline 211/EPA OPPTS 850.1300)
Toxicity to aquatic algae	: Desmodesmus subspicatus EC <sub>50</sub> (72 h): 443 mg/l (Based on: biomass) EC <sub>10</sub> (72 h): 159 mg/l (Based on: biomass) EC <sub>50</sub> (72 h): 625 mg/l (Based on: growth rate) NOEC (72 h): 70 mg/l (Based on: growth rate) (EU Method C.3)
Persistence and degradability	: Readily biodegradable; > 90% after 15 days (DOC removal) OECD Test Guideline 301A (old version) (Ready Biodegradability: Modified AFNOR Test) / EPA OPPTS 835.3110

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

Bioaccumulative potential	: BCF value: 0.349, no potential for bioaccumulation is expected (Method: Calculation - Estimation software: EPIWIN program BCF (v2.15))
Mobility in soil	: Adsorption coefficient $K_{oc}$ : 40.74 at 40°C, a low adsorption potential on solid material is expected (OECD Guideline 121/EU Method C.19)
Other adverse effects	: No data available

### Ecological information of Benzoic Acid

Short-term toxicity to fish	: Oncorhynchus mykiss LC <sub>50</sub> (96 h): 47.3 mg/l (EPA-660/3-75-001, similar to OECD Guideline 203)  Lepomis macrochirus LC <sub>50</sub> (96 h): 44.6 mg/l (EPA-660/3-75-001)
Long-term toxicity to fish	: Oncorhynchus mykiss NOEC (28 d): > 120 mg/l (OECD Guideline 204/OECD Guideline 215)
Short-term toxicity to aquatic invertebrates	: Daphnia magna LC <sub>50</sub> (48 h): > 100 mg/l (EPA-660/3-75-009, similar to OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: Daphnia magna NOEC (21 d): ≥ 25 mg/l (OECD Guideline 211)
Toxicity to aquatic algae	: Pseudokirchneriella subcapitata EC <sub>50</sub> (72 h): > 33.1 mg/l EC <sub>10</sub> (72 h): 3.4 mg/l (OECD Guideline 201)
Persistence and degradability	: Readily biodegradable; 84.8% after 14 days (O <sub>2</sub> consumption) (OECD Guideline 301 C)
Bioaccumulative potential	: Log P <sub>ow</sub> : 1.88
Mobility in soil	: Adsorption coefficient $K_{oc}$ : 15.49 (QSAR)
Other adverse effects	: No data available

### Ecological information of Capryloyl Glycine

Short-term toxicity to fish	: Danio rerio LC <sub>50</sub> (96 h): > 100 mg/l (OECD Guideline 203)
-----------------------------	--

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC <sub>50</sub> (48 h): > 100 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Green alga EC <sub>50</sub> (96 h): 4.644 mg/l (QSAR)
Persistence and degradability	: Readily biodegradable; 86 % after 28 days (CO <sub>2</sub> evolution) OECD Guideline 301 B (Ready Biodegradability: CO <sub>2</sub> Evolution Test)
Bioaccumulative potential	: Log P <sub>ow</sub> : 2.052 (OECD Guideline 117/EU Method A.8)
Mobility in soil	: Log K <sub>oc</sub> : < 1.25 (OECD Guideline 121)
Other adverse effects	: Not known
<b>Ecological information of Undecylenoyl Glycine</b>	
Short-term toxicity to fish	: No data available
Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC <sub>50</sub> (48 h): > 100 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Desmodesmus subspicatus EC <sub>50</sub> (72 h): ≥ 10 - ≤ 100 mg/l (based on growth rate) NOEC (72 h): 1 mg/l (based on growth rate) (Equivalent or similar to OECD Guideline 201)
Persistence and degradability	: Not readily biodegradable; 62% after 28 days (CO <sub>2</sub> evolution) OECD Guideline 301 B (Ready Biodegradability: CO <sub>2</sub> Evolution Test)
Bioaccumulative potential	: Log P <sub>ow</sub> : 2.2 at 20°C (HPLC method)
Mobility in soil	: Adsorption coefficient Log K <sub>oc</sub> : 2.16 (QSAR calculation)
Other adverse effects	: Not known

---

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

#### 13. DISPOSAL CONSIDERATIONS

Disposal methods : Dispose off contents/container in accordance with local/regional/national/international regulations

#### 14. TRANSPORT INFORMATION

##### Land transport

ADR/RID : Not classified as dangerous goods as per transport regulation  
 UN Number : Not applicable  
 UN proper shipping name : Not applicable  
 Transport hazard class(es) : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Not applicable

##### Inland water ways transport

ADN : Not classified as dangerous goods as per transport regulation  
 UN Number : Not applicable  
 UN proper shipping name : Not applicable  
 Transport hazard class(es) : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Not applicable

##### Sea transport

IMDG code : Not classified as dangerous goods as per transport regulation  
 UN Number : Not applicable  
 UN proper shipping name : Not applicable  
 Transport hazard class(es) : Not applicable  
 Packing group : Not applicable  
 Marine pollutant : Not applicable

##### Air transport

ICAO-TI/IATA-DGR : Not classified as dangerous goods as per transport regulation  
 UN Number : Not applicable  
 UN proper shipping name : Not applicable  
 Transport hazard class(es) : Not applicable  
 Packing group : Not applicable  
 Environmental hazards : Not applicable

#### 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question : Refer to all applicable national, international and local regulations or provisions

---



## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galguard Tetra

Version No. 1      Date of revision: February 4, 2020

---

#### 16. OTHER INFORMATION

Revision Number	: GHS / Revision 0
Indication of changes	: Not applicable
Legend/acronym	: GHS - Globally Harmonized System STOT - Specific Target Organ Toxicity
Source of information	: In-house and literature

The information contained herein is based on data considered accurate. However, no warranty is expressed, or implied regarding the accuracy of this data, or the result to be obtained from the use thereof. Galaxy assumes no responsibility for injury to the user, or third person proximately caused by the material, if reasonable safety procedures are not adhered to, as stipulated in the safety data sheet. Galaxy assumes no responsibility for injury to the user, or third person proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Further, user assumes the risk in his use of the material.