Poco Graphite Synthetic Graphite - Copper Impregnated Semiconductor Grade DFP1C

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

1.1 Product identifier
Product name: Poco Graphite Synthetic Graphite - Copper Impregnated Semiconductor Grade DFP1C

REACH Registration number

<table>
<thead>
<tr>
<th>Registration number</th>
<th>Legal entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-2119486977-12-0051</td>
<td></td>
</tr>
</tbody>
</table>

Product code: Not available.
Product description: Not available.
Product type: Solid block.
Other means of identification: Not available.

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

Electrical discharge machining electrodes, other industrial manufacturing components. Manufacturing tooling, fixtures, other industrial manufacturing components.

1.3 Details of the supplier of the safety data sheet
Supplier's details: POCO Graphite, Inc.
An Entegris Company
300 Old Greenwood Road
Decatur, Texas 76234
800-433-5547, EXT-4202 (8am - 4pm CT, Mon - Fri)
ed-mail address of person responsible for this SDS: todd_bendure@entegris.com

1.3.1 REACH Importer of Record
Tetra Tech International, Inc.
Fuchsstrasse 1
67688 Rodenbach
Germany
Email: tanya.sagermann@tetratech.com

1.3.2 Competent Person
Tetra Tech International, Inc. (Only Representative)
Fuchsstrasse 1
67688 Rodenbach
Germany
Email: tanya.sagermann@tetratech.com

1.4 Emergency telephone number
National advisory body/Poison Centre
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Slovenia

Poco Graphite Synthetic Graphite - Copper Impregnated Semiconductor Grade DFP1C

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

Hours of operation : (24/7)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Aquatic Acute 1, H400
Aquatic Chronic 1, H410

Classification according to Directive 1999/45/EC [DPD]

The copper in this substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification : N; R50/53

Environmental hazards : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : P273 - Avoid release to the environment.
Response : P391 - Collect spillage.
Storage : Not applicable.
Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazard symbol or symbols :

Indication of danger : Dangerous for the environment

Risk phrases : R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

Supplemental label elements : Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Special packaging requirements : Not applicable.
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Slovenia

Poco Graphite Synthetic Graphite - Copper Impregnated Semiconductor Grade DFP1C

SECTION 2: Hazards identification

Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger : Not applicable.

2.3 Other hazards

Other hazards which do not result in classification: May form combustible dust concentrations in air during processing activities (including; but not limited to: cutting, sanding, drilling, machining, dust control equipment, other dust generating activities). Users of this material should perform combustibility testing, prior to use, specific to their use conditions if dust is to be generated.

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>: Mixture</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>EC: 231-159-6 CAS: 7440-50-8</td>
<td>40 - 60</td>
<td>N: R50/53</td>
<td>Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
<td>[1] [2]</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

See Section 16 for the full text of the R-phrases declared above.

SECTION 4: First aid measures

4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Move exposed person to fresh air.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>In case of contact, immediately flush skin with plenty of water for at least 20 minutes.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.</td>
</tr>
<tr>
<td>Protection of first-aiders</td>
<td>No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</td>
</tr>
</tbody>
</table>

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

Hazard from the substance or mixture: Fine dust clouds may form explosive mixtures with air.

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

5.3 Advice for firefighters

Special protective actions for fire-fighters: This material is very toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Additional information: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Minimize exposure to dust. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Non-sparking tools should be used when working with dust. See also Section 8 for additional information on hygiene measures.
SECTION 6: Accidental release measures

6.2 Environmental precautions

Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. See section 13 for waste disposal information.

6.3 Methods and materials for containment and cleaning up

Small spill
Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill
If emergency personnel are unavailable vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections
See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Provide adequate ventilation. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Non-sparking tools should be used when working with dust. Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Dust levels must be kept within prescribed limits. Spilled product should be cleaned up and a high standard of housekeeping maintained. Transfer product using proper grounding and bonding procedures to avoid static accumulation. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Maintain graphite blocks in stable position. Any machined generated dust should be maintained in closed container.

Seveso II Directive - Reporting thresholds (in tonnes)

<table>
<thead>
<tr>
<th>Category</th>
<th>Notification and MAPP threshold</th>
<th>Safety report threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1: Hazardous to the aquatic environment - Acute 1 and Chronic 1</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>C9i: Very toxic for the environment</td>
<td>100</td>
<td>200</td>
</tr>
</tbody>
</table>

7.3 Specific end use(s)

Recommendations
Maintain blocks as shipped, no specific handling or storage identified. Dust or powder from machining process should be kept in closed container.

Industrial sector specific solutions
Not available.
SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphite, synthetic</td>
<td>ACGIH (United States). TWA: 10 mg/m³ 8 hours. Form: Nuisance particulates. ACGIH TLV (United States, 3/2012). TWA: 0.2 mg/m³ 8 hours. Form: Fume</td>
</tr>
<tr>
<td>Copper</td>
<td>TWA: 1 mg/m³, (Cu) 8 hours.</td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures**: Ensure dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available.

8.2 Exposure controls

**Appropriate engineering controls**: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling dusts generated from this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

**Hygiene measures**: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**: Safety eyewear should be used when there is a likelihood of exposure. Recommended: Safety glasses with side shields.

**Skin protection**

**Hand protection**: Use gloves appropriate for work or task being performed. Recommended: Chemical-resistant gloves.

**Body protection**: No special protective clothing is required.

**Other skin protection**: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance**
- Physical state: Solid block.
- Colour: Not available.
- Odour: Odourless.
- Odour threshold: Not available.
- pH: Not available.
- Initial boiling point and boiling range: Not available.
- Flash point: Not available.
- Evaporation rate: Not available.
- Flammability (solid, gas): Not available.
- Burning time: Not available.
- Burning rate: Not available.
- Upper/lower flammability or explosive limits: Not available.
- Vapour pressure: Not available.
- Vapour density: Not available.
- Relative density: 2.36
- Solubility(ies): Insoluble in water.
- Solubility in water: Not available.
- Partition coefficient: n-octanol/water: Not available.
- Auto-ignition temperature: Not available.
- Decomposition temperature: Not available.
- Viscosity: Not available.
- Explosive properties: Not applicable.
- Oxidising properties: Not applicable.

9.2 Other information
No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Minimize dust generation and accumulation.

10.5 Incompatible materials: Reactive or incompatible with the following materials: oxidising materials and acids.
SECTION 10: Stability and reactivity

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 toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Skin : There is no data available.

Eyes : There is no data available.

Respiratory : There is no data available.

Sensitisation

Skin : There is no data available.

Respiratory : There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.
SECTION 11: Toxicological information

Potential delayed effects: No known significant effects or critical hazards.

Potential immediate effects: No known significant effects or critical hazards.

Potential delayed effects: No known significant effects or critical hazards.

Potential chronic health effects:
- General: No known significant effects or critical hazards.
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Teratogenicity: No known significant effects or critical hazards.
- Developmental effects: No known significant effects or critical hazards.
- Fertility effects: No known significant effects or critical hazards.

Other information: Not available.

SECTION 12: Ecological information

### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper</td>
<td>Acute EC50 1100 µg/l Fresh water</td>
<td>Aquatic plants - Lemna minor</td>
<td>4 days</td>
</tr>
<tr>
<td>Copper</td>
<td>Acute EC50 2.1 µg/l Fresh water</td>
<td>Daphnia - Daphnia longispina - Juvenile</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50 13 µg/l Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata -</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50 5.4 mg/L Marine water</td>
<td>Exponential growth phase</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.072 µg/l Marine water</td>
<td>Aquatic plants - Plantae - Exponential</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 7.56 µg/l Marine water</td>
<td>growth phase</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 2.5 µg/l Marine water</td>
<td>Crustaceans - Amphipoda - Adult</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 7 mg/l Fresh water</td>
<td>Fish - Periophthalmus waltoni - Adult</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.02 mg/L Fresh water</td>
<td>Algae - Nitzschia closterium -</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 2 µg/l Fresh water</td>
<td>Exponential growth phase</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.8 µg/l Fresh water</td>
<td>Crustaceans - Cambarus bartonii - Mature</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daphnia - Daphnia magna</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fish - Oreochromis niloticus - Juvenile</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Fledging, Hatchling, Weanling)</td>
<td></td>
</tr>
</tbody>
</table>

### 12.2 Persistence and degradability

There is no data available.

### 12.3 Bioaccumulative potential

There is no data available.

### 12.4 Mobility in soil

- Soil/water partition coefficient ($K_{oc}$): There is no data available.
- Mobility: There is no data available.

### 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

### 12.6 Other adverse effects

No known significant effects or critical hazards.
### SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 13.1 Waste treatment methods

**Product**

- **Methods of disposal**
  - The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

- **Hazardous waste**
  - The classification of the product may meet the criteria for a hazardous waste.

**Packaging**

- **Methods of disposal**
  - The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

- **Special precautions**
  - This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>ADR/RID</th>
<th>ADN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

| 14.2 UN proper shipping name | - | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - | - |
| 14.4 Packing group | - | - | - | - |

| 14.5 Environmental hazards | No. | No. | No. | No. |
| Additional information | - | - | - | - |

| 14.6 Special precautions for user | Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not available. |
SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

None of the components are listed.

Annex XIV - Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: Not applicable.

Other EU regulations

Europe inventory

: All components are listed or exempted.

Integrated pollution prevention and control list (IPPC) - Air

: Listed

Integrated pollution prevention and control list (IPPC) - Water

: Listed

Seveso II Directive

This product is controlled under the Seveso II Directive.

Danger criteria

<table>
<thead>
<tr>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1: Hazardous to the aquatic environment - Acute 1 and Chronic 1</td>
</tr>
<tr>
<td>C9i: Very toxic for the environment</td>
</tr>
</tbody>
</table>

15.2 Chemical Safety Assessment

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Abbreviations and acronyms

ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

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

Aquatic Acute 1, H400
Aquatic Chronic 1, H410

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute 1, H400</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>Aquatic Chronic 1, H410</td>
<td>Expert judgment</td>
</tr>
</tbody>
</table>
### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Full text of abbreviated H statements</th>
<th>:</th>
<th>H400</th>
<th>Very toxic to aquatic life.</th>
</tr>
</thead>
<tbody>
<tr>
<td>:</td>
<td>:</td>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Full text of classifications [CLP/GHS]</td>
<td>:</td>
<td>Aquatic Acute 1, H400</td>
<td>AQUATIC TOXICITY (ACUTE) - Category 1</td>
</tr>
<tr>
<td>:</td>
<td>:</td>
<td>Aquatic Chronic 1, H410</td>
<td>AQUATIC TOXICITY (CHRONIC) - Category 1</td>
</tr>
<tr>
<td>Full text of abbreviated R phrases</td>
<td>:</td>
<td>R50/53</td>
<td>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td>
</tr>
<tr>
<td>Full text of classifications [DSD/DPD]</td>
<td>:</td>
<td>N</td>
<td>Dangerous for the environment</td>
</tr>
</tbody>
</table>

**History**

<table>
<thead>
<tr>
<th>Date of issue (dd/mm/yyyy)</th>
<th>:</th>
<th>30/06/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version</td>
<td>:</td>
<td>1</td>
</tr>
<tr>
<td>Revised Section(s)</td>
<td>:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.