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

1.1 Product identifiers

<table>
<thead>
<tr>
<th>Product Number</th>
<th>A0212</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Amidoflumet</td>
</tr>
<tr>
<td>CAS Registry Nr</td>
<td>84466-05-7</td>
</tr>
</tbody>
</table>

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

Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Company</th>
<th>Chemodex AG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>CH - 9000 St. Gallen</td>
</tr>
<tr>
<td></td>
<td>Switzerland, Europe</td>
</tr>
<tr>
<td>Tel:</td>
<td>+41 71 244 48 25</td>
</tr>
<tr>
<td>Fax:</td>
<td>+41 71 244 48 26</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:info@chemodex.com">info@chemodex.com</a></td>
</tr>
<tr>
<td>Website:</td>
<td><a href="http://www.chemodex.com">www.chemodex.com</a></td>
</tr>
</tbody>
</table>

1.4 Emergency telephone number

| Tox Info Suisse: | +41 44 251 51 51 |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

<table>
<thead>
<tr>
<th>Acute toxicity, Oral (Category 3)</th>
<th>H301</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, Oral (Category 3)</td>
<td>H401</td>
</tr>
<tr>
<td>Acute toxicity, Oral (Category 3)</td>
<td>H411</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.
2.2 GHS Label elements, including precautionary statements

<table>
<thead>
<tr>
<th>Pictogram</th>
<th><img src="image" alt="Pictogram" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word</td>
<td>Danger</td>
</tr>
</tbody>
</table>

**Hazard statement(s)**

- H301  Toxic if swallowed.
- H411  Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

- P264  Wash skin thoroughly after handling.
- 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 or doctor/physician.
- P321  Specific treatment (see supplemental first aid instructions on this label).
- P330  Rinse mouth.
- P391  Collect spillage.
- P405  Store locked up.
- P501  Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

---

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

3.1 Substances

<table>
<thead>
<tr>
<th>Molecular weight:</th>
<th>317.67 g/mol</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS-No.:</td>
<td>84466-05-7</td>
</tr>
</tbody>
</table>

**Hazardous components**

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amidoflumet</td>
<td>Acute Tox. 3; Aquatic Acute 2; Aquatic Chronic 2; H301, H411</td>
<td>-</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

---

**SECTION 4: First aid measures**

4.1 Description of first aid measures

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
**In case of skin contact**
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

---

**SECTION 5: Firefighting measures**

5.1 Extinguishing media

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas, Hydrogen fluoride

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
No data available

---

**SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store under inert gas.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

---

**SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

| a) Appearance:          | Form: solid               |
|                        | Colour: beige             |
| b) Odour:              | No data available         |
| c) Odour Threshold:    | No data available         |
| d) pH:                 | No data available         |
| e) Melting point/freezing point: | 80.7 °C (177.3 °F) |
| f) Initial boiling point and boiling range: | No data available |
| g) Flash point:        | No data available         |
| h) Evaporation rate:   | No data available         |
| i) Flammability (solid, gas): | No data available |
| j) Upper/lower flammability or explosive limits: | No data available |
| k) Vapour pressure:    | No data available         |
| l) Vapour density:     | No data available         |
| m) Relative density:   | No data available         |
| n) Water solubility:   | slightly soluble          |
| o) Partition coefficient (n-octanol/water): | log Pow: 4.97 at 25 °C (77 °F) |
| p) Auto-ignition temperature: | No data available |
| q) Decomposition temperature: | No data available |
| r) Viscosity:          | No data available         |
| s) Explosive properties: | No data available |
| t) Oxidizing properties: | No data available |

9.2 Other safety information

No data available

---

**SECTION 10: Stability and reactivity**

10.1 Reactivity
10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Ethanol

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity
Median lethal dose Oral - Rat - female - 140 mg/kg
Median lethal dose Oral - Rat - male - 200 mg/kg
Median lethal concentration Inhalation - Rat - > 5.44 mg/l
Median lethal dose Dermal - Rat - > 2,000.0 mg/kg
No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Mild skin irritation

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Mild eye irritation

Respiratory or skin sensitisation
Maximisation Test (GPMT) - Guinea pig
Result: Does not cause skin sensitisation.

Germ cell mutagenicity
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity
Toxicity to fish static test LC50 - Cyprinus carpio (Carp) - 6.0 mg/l - 48 h

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
Toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
UN number: 2811  
Class: 6.1  
Packing group: III  
Proper shipping name: Toxic solids, organic, n.o.s. (Amidoflumet)
Reportable Quantity (RQ): No  
Marine pollutant: No  
Poison Inhalation Hazard: No

IMDG
UN number: 2811  
Class: 6.1  
Packing group: III  
EMS-No: F-A, S-A  
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Amidoflumet)
Marine pollutant: No

IATA
UN number: 2811  
Class: 6.1  
Packing group: III  
Proper shipping name: Toxic solid, organic, n.o.s. (Amidoflumet)

SECTION 15: Regulatory information

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Amidoflumet
CAS-No. 84466-05-7

New Jersey Right To Know Components
Amidoflumet
CAS-No. 84466-05-7
California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth
defects, or any other reproductive harm.

SECTION 16: Other information

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

<table>
<thead>
<tr>
<th>Acute Tox.</th>
<th>Acute toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Acute</td>
<td>Acute aquatic toxicity</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>Chronic aquatic toxicity</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

HMIS Rating

- Health hazard: 2
- Chronic Health Hazard: 0
- Flammability: 0
- Physical Hazard: 0

NFPA Rating

- Health hazard: 2
- Fire Hazard: 0
- Reactivity Hazard: 0

Further information

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The above information is believed to be correct but shall not be taken as being all inclusive and shall
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conditions of sale.