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

1.1. Product identifier

Product No: 4082
Product name: Hoechst 33342
Reach registration number: This substance/mixture contains only ingredients which have been registered, or are exempt from registration, according to Regulation (EC) No. 1907/2006.

Contains

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile (1 - 5)</td>
<td>608-001-00-3</td>
<td>75-05-8</td>
</tr>
</tbody>
</table>

Formula: C27H28N6O.3HCl.xH2O
Molecular Weight: 561.93

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

Identified uses: For research use only

1.3. Details of the supplier of the safety data sheet

Importer (Applicable in EU only): Cell Signaling Technology Europe B.V.
Cell Signaling Technology, Inc.
Schuttersveld 2
2316 ZA Leiden
The Netherlands
TEL: +31 (0)71 7200 200
FAX: +31 (0)71 891 0098
Website: www.cellsignal.com
E-mail Address: info@cellsignal.eu

Manufacturer:
3 Trask Lane
Danvers, MA 01923
United States
TEL: +1 978 867 2300
FAX: +1 978 867 2400

1.4. Emergency telephone number

CHEMTREC: 24 hours a day, 7 days a week, 365 days a year
+1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>Category 4 - (H302)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2 - (H315)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1 - (H318)</td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure (STOT SE)</td>
<td>Category 3 - (H335)</td>
</tr>
</tbody>
</table>
2.2. Label elements

Signal word
Danger

Hazard statement(s)
H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Precautionary statement(s)
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective gloves and eye/face protection
P271 - Use only outdoors or in a well-ventilated area
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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
P310 - Immediately call a POISON CENTER or doctor/physician
P330 - Rinse mouth
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

95% of the mixture consists of ingredient(s) of unknown acute toxicity.
For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms
HOE 33342; bisBenzimide; 2,5'-Bi-1H-benzimidazole,
2'-(4-ethoxyphenyl)-5-(4-methyl-1-piperazinyl)-(9CI)

Formula
C27H28N6O.3HCl .xH2O

CAS No 23491-52-3 (2'-(4'-ethoxyphenyl)-5-(4-methylpiperazin-1-yl)-2,5'-bis-1H-benzimidazole trihydrochloride trihydrate)

Chemical nature
Monoconstituent substance.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight %</th>
<th>EC No</th>
<th>Classification (1272/2008)</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'-(4'-ethoxyphenyl)-5-(4-methylpiperazin-1-yl)-2,5’-bis-1H-benzimidazole trihydrochloride trihydrate</td>
<td>23491-52-3</td>
<td>60 - 100</td>
<td>245-691-1</td>
<td>-</td>
<td>no data available</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1. Description of first aid measures

General advice
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Inhalation
Move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Ingestion
Do NOT induce vomiting. Clean mouth with water. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of first-aiders
Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

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

Notes to physician
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
No information available.

5.2. Special hazards arising from the substance or mixture

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

For emergency responders
Use personal protection recommended in Section 8.

Other information
Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up
Methods for containment
Prevent further leakage or spillage if safe to do so.
Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal. Use personal protective equipment. Avoid dust formation. After cleaning, flush away traces with water.

Methods for cleaning up
Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal. Use personal protective equipment. Avoid dust formation. After cleaning, flush away traces with water.

6.4. Reference to other sections
See Sections 8 & 13 for additional information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. For environmental protection, remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Recommended storage temperature -20 °C.

7.3. Specific end use(s)
Use as a laboratory reagent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>TWA 40 ppm</td>
<td>STEL 60 ppm</td>
<td>TWA 40 ppm</td>
<td>TWA 40 ppm</td>
<td>TWA: 20 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA 70 mg/m³</td>
<td>STEL 102 mg/m³</td>
<td>TWA 70 mg/m³</td>
<td>TWA 68 mg/m³</td>
<td>TWA: 34 mg/m³</td>
</tr>
<tr>
<td></td>
<td>S*</td>
<td>STEL 15 mg/m³</td>
<td>TWA 5 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td>Skin</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 40 ppm</td>
<td>STEL 10 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Huid*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 68 mg/m³</td>
<td>TWA 34 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>TWA: 20 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 15 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Ceiling / Peak: 40 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 34 mg/m³</td>
<td>TWA 100 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Ceiling / Peak: 68 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Ceiling / Peak: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 15 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 10 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 5 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 5 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 5 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 5 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL 5 mg/m³</td>
<td>TWA 15 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>TWA: 2 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Italy</th>
<th>Portugal</th>
<th>Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>TWA 20 ppm</td>
<td>TWA 20 ppm</td>
<td>STEL 10 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Huid*</td>
</tr>
<tr>
<td></td>
<td>TWA 35 mg/m³</td>
<td>TWA 20 ppm</td>
<td>TWA 34 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>Pelle*</td>
</tr>
<tr>
<td></td>
<td>Pelle*</td>
<td>C(A4) P*</td>
<td>TWA 1 mg/m³</td>
<td>STEL 5 mg/m³</td>
<td>iho*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Austria</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>H°</td>
<td>SS-C** H°</td>
<td>TWA 70 mg/m³</td>
<td>TWA 30 ppm</td>
<td>TWA 40 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL 160 ppm</td>
<td>TWA 20 ppm</td>
<td>STEL 140 mg/m³</td>
<td>TWA 50 mg/m³</td>
<td>STEL 75 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL 280 mg/m³</td>
<td>TWA 34 mg/m³</td>
<td>STEL 45 ppm</td>
<td>STEL 50 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 40 ppm</td>
<td>STEL 40 ppm</td>
<td>STEL 75 mg/m³</td>
<td>STEL 75 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 70 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>STEL 140 mg/m³</td>
<td>STEL 50 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>H°</td>
<td>TWA 20 ppm</td>
<td>TWA 50 mg/m³</td>
<td>STEL 75 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL 280 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>STEL 140 mg/m³</td>
<td>STEL 50 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 40 ppm</td>
<td>STEL 40 ppm</td>
<td>STEL 75 mg/m³</td>
<td>STEL 75 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 70 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>STEL 140 mg/m³</td>
<td>STEL 50 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>H°</td>
<td>TWA 20 ppm</td>
<td>TWA 50 mg/m³</td>
<td>STEL 75 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>STEL 280 mg/m³</td>
<td>STEL 68 mg/m³</td>
<td>STEL 140 mg/m³</td>
<td>STEL 50 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 40 ppm</td>
<td>STEL 40 ppm</td>
<td>STEL 75 mg/m³</td>
<td>STEL 75 mg/m³</td>
<td>STEL 10 mg/m³</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Appropriate engineering controls
Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment
Eye/face protection: Tightly fitting safety goggles, Face-shield
Skin protection:
Hand protection: Impervious gloves
Other: Impervious clothing, Impervious gloves, Boots, Chemical resistant apron.
Respiratory protection: In case of inadequate ventilation wear respiratory protection.
Recommended filter: Type AP3

Environmental Exposure Controls
No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Dark yellow</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>1.7</td>
<td>@ 20 °C</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
<td>25 mg/ml</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening point</td>
<td>No information available</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>561.93</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC content</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>No information available</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization
Hazardous polymerization does not occur.
Hazardous reactions
None under normal processing.

10.4. Conditions to avoid
Exposure to air or moisture over prolonged periods.

10.5. Incompatible materials
Incompatible with oxidizing agents.

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects
This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
<th>LC50 Inhalation (Rat) 4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>1327 mg/kg</td>
<td>1250 mg/kg</td>
<td>7500 ppm</td>
</tr>
</tbody>
</table>

Unknown Acute Toxicity
95% of the mixture consists of ingredient(s) of unknown acute toxicity.

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Inhalation of dust in high concentration may cause irritation of respiratory system.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>May cause irreversible damage to eyes.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Irritating to skin.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed.</td>
</tr>
</tbody>
</table>

Symptoms
No information available.

Skin corrosion/irritation
Irritating to skin.

Serious eye damage/eye irritation
Risk of serious damage to eyes.

Sensitization
May cause sensitization of susceptible persons.

Mutagenic effects
No information available.

Carcinogenic effects
No information available.

Reproductive toxicity
No information available.

STOT - single exposure
Respiratory system.

STOT - repeated exposure
No information available.

Target Organ Effects
Central Vascular System (CVS), Central nervous system (CNS), Respiratory system, Kidney, Liver.

Aspiration Hazard
No information available.

Other information
No information available.

SECTION 12: Ecological information

12.1. Toxicity
No information available.
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>-</td>
<td>LC50 1640 mg/L (Pimephales promelas) 96 h</td>
<td>EC50 5838 mg/L (Daphnia pulex) 18 h</td>
</tr>
</tbody>
</table>

**Unknown Aquatic Toxicity**
95 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**12.2. Persistence and degradability**
No information available.

**12.3. Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Bioaccumulation</th>
<th>Not likely to bioaccumulate.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioconcentration factor (BCF)</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Octanol-Water Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>acetonitrile</td>
<td>-0.34</td>
</tr>
</tbody>
</table>

**12.4. Mobility in soil**
No information available.

**12.5. Results of PBT and vPvB assessment**
No information available.

**12.6. Other adverse effects**
No information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

- **Waste from residues / unused products**
  Dispose of in accordance with local regulations.

- **Contaminated packaging**
  Do not re-use empty containers.

- **Other information**
  According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**SECTION 14: Transport information**

**IMDG/IMO**

14.1 **UN number**
Not regulated

14.2 **UN proper shipping name**
Not regulated

14.3 **Transport hazard class(es)**
Not regulated

14.4 **Packing group**
Not regulated

14.5 **Environmental hazards**
None

14.6 **Special precautions for user**
None

14.7 **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not regulated

**ADR/RID**

14.1 **UN number**
Not regulated

14.2 **UN proper shipping name**
Not regulated

14.3 **Transport hazard class(es)**
Not regulated

14.4 **Packing group**
Not regulated
SECTION 15: Regulatory information

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

Candidate List of Substances of Very High Concern for Authorization Information

This product does not contain Substances of Very High Concern (SVHC).

SEVESO Directive Information

This product does not contain substances identified in the SEVESO Directive.

International inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA 8(b)</td>
<td>-</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>-</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Complies</td>
</tr>
<tr>
<td>ENCS</td>
<td>-</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>-</td>
</tr>
<tr>
<td>PICCS</td>
<td>-</td>
</tr>
<tr>
<td>AICS</td>
<td>-</td>
</tr>
</tbody>
</table>

International inventories legend

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

SECTION 16: Other information

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

H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation

Classification procedure: Expert judgment and weight of evidence determination.

Issuing Date: 2014-02-21
Revision Date: 2018-04-10

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.