### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>GdBCO powder</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration number</td>
<td>not required, the product is a mixture, not a compound</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>not set</td>
</tr>
</tbody>
</table>

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

- **Identified uses:** superconductor / raw material
- **Uses advised against:** not set

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

**Distributor:** (responsible for marketing) CAN SUPERCONDUCTORS, s.r.o.
- Ringhoffnerova 66
- CZ-251 68 Kamenice
- Czech Republic
tel. +420 323 619 695
fax +420 323 619 697
e-mail: info@can-superconductors.com
web: www.can-superconductors.com

Competent person responsible for the safety data sheet: PharmDr. Vladimír Végh, PHARMIS, info@pharmis.cz

#### 1.4 Emergency telephone number

Giftnotruf München, Toxikologische Abteilung der II, Medizinischen Klinik rechts der Isar der TU, Ismaninger Str. 22 Munich 81675, +49 89 4140 2466, +49 89 4140 2467, +49 89 192 40, tox@lrz.tum.de, www.toxinfo.org. 24h-non-stop

### SECTION 2: HAZARDS IDENTIFICATION

**General classification of the mixture:** the mixture is classified as hazardous in compliance with Regulation (EC) No 1907/2006.

- **Important health effects:** Causes serious eye irritation. Causes skin irritation. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting and mild non-allergic damage. Inhalation of dust / solid aerosols can cause respiratory tract irritation. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea and other gastrointestinal problems.

- **Important environmental effects:** The mixture is no classified as hazardous for the environment. Not expected to be hazardous for the environment under normal condition of use. However, except intended use the mixture should not enter environment or sewage waters.

#### 2.1 Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification in accordance with 1272/2008/EC</th>
<th>Skin Irrit. 2 H315</th>
<th>Skin corrosion/irritation, category 2 Causes skin irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Eye Irrit. 2 H319</td>
<td>Serious eye damage/eye irritation; category 2 Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>STOT SE 3 H335</td>
<td>Specific target organ toxicity - single exposure May cause respiratory irritation.</td>
</tr>
</tbody>
</table>
Name of the product: GdBCO powder
Date of compilation/revision: 1. 8. 2016

2.2 Label elements

Contains: not required

Hazard pictograms:

Signal word: WARNING

Hazard statements:
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Supplemental hazard information: not required

Supplemental label elements for certain mixtures: not required

Precautionary statements:
- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P261: Avoid breathing dust.
- P280: Wear protective gloves/eye protection.
- P302+P352: IF ON SKIN: Wash with plenty of water and soap.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P501: Dispose of contents/container to authorized facility for dangerous wastes.

Other required labeling: not required

2.3 Other hazards

Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; no substance in the amount of ≥ 0,1 %, is included in the Candidate List of the substances of very high concerns (SVHC).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture of metal oxides / superconductive ceramic.

3.1 Substances
does not apply

3.2 Mixtures

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Content (% w/w)</th>
<th>EC Number CAS Number Index Number</th>
<th>Classification 1272/2008/EC*</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GdBa$_2$Cu$_3$O$_7$</td>
<td>&lt; 95</td>
<td>-</td>
<td>Eye Irrit. 2</td>
<td>-</td>
</tr>
<tr>
<td>REACH No. not available yet</td>
<td></td>
<td>-</td>
<td>Skin Irr. 2</td>
<td>H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>STOT SE 3</td>
<td>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td></td>
<td>H335</td>
</tr>
<tr>
<td>Gd$_2$BaCuO$_5$</td>
<td>&lt; 60</td>
<td>-</td>
<td>Eye Irrit. 2</td>
<td>-</td>
</tr>
<tr>
<td>REACH No. not available yet</td>
<td></td>
<td>-</td>
<td>Skin Irr. 2</td>
<td>H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>STOT SE 3</td>
<td>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td></td>
<td>H335</td>
</tr>
<tr>
<td>copper oxide</td>
<td>&lt; 25</td>
<td>215-269-1 1317-38-0</td>
<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
<tr>
<td>REACH No. not available yet</td>
<td></td>
<td>-</td>
<td>**</td>
<td>-</td>
</tr>
</tbody>
</table>

* For full wording of used classification abbreviations and Hazard Statements (H-phrases) see Section 16.
** as the final mixture is not soluble in water, environmental exposure is not expected.
SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
Observe all user considerations and safety measures stated on the packaging. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons.

Inhalation: No acute adverse health effects are expected upon inhalation. When unexpected problems upon aerosols / dust inhalation appear, remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin contact: Immediately remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Use appropriate regenerating cream. Seek medical advice if the skin irritation persists.

Eye contact: Keep eyelids open and rinse immediately and repeatedly with copious amount of water for at least 10 - 15 minutes. Remove contact lenses, if present and easy to do. Seek medical advice (preferable an ophthalmologist) if the eye irritation persists.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting! In case of spontaneous vomiting avoid aspiration of the vomits. Get medical attention immediately and show product package or label!

4.2 Most important symptoms and effects, both acute and delayed
Causes serious eye irritation. Causes skin irritation. Inhalation of dust can cause mild and temporary respiratory tract irritation. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea and other gastrointestinal problems.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Symptoms of systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease.

4.3 Indication of any immediate medical attention and special treatment needed
No specific therapy known. Use supporting and symptomatic treatment. Be careful when the affected person is vomiting and during gastric lavage.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: water spray, foam, dry-powder, carbon dioxide
Unsuitable extinguishing media: direct water stream

5.2 Special hazards arising from the substance or mixture
Non-flammable. No special risks are expected.

5.3 Advice for fire-fighters
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard.

Special Protective Equipment for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Observe all user considerations and safety measures. Avoid contact with skin, eyes and mucous membranes. See Section 8 for advice on the minimum requirements for personal protective equipment. All unprotected persons should be restraint. All unprotected persons should be restraint. Avoid dust formation. Ensure adequate ventilation in closed areas. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

6.2 Environmental precautions
Stop leak if you can do so without risk. Confine the spill immediately with booms. Avoid entering soil, surface- and ground-waters, drains, cellars or other closed rooms. In case of serious leakage inform appropriate authorities.

6.3 Methods and materials for containment and cleaning up
Carefully wipe mechanically. Avoid dust formation. Dispose according to valid legislation (see Section 13); send to dangerous wastes treatment facility. Keep in suitable, closed containers for disposal. All containers with waste should be appropriately labeled. Clean up affected areas with water and detergent.

6.4 Reference to other sections
Adhere to instructions in the section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin, eyes and mucous membranes. Avoid dust inhalation. See Section 8 for advice on the minimum requirements for personal protective equipment. Use only with adequate ventilation. Observe all user considerations, safety measures and exposure limits. Do not eat, drink or smoke when manipulating with the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Ensure appropriate ventilation during handling in interiors.

7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original packages or in appropriately labelled replacement containers. Store in dry, bunded areas, protected from weather conditions. Keep out of the reach of children. Keep away from food, beverages and forage.

7.3 Specific end uses
plant growth stimulator

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Exposure limits (Czech Republic, Government Regulation No. 361/2007 Coll.): not se

<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance name</th>
<th>NPEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Indicative biological limits: not set


<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance name</th>
<th>OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Other recommended values: not se

<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance name</th>
<th>OEL - equivalents</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

DNEL: not set
8.2 Exposure controls

Appropriate engineering controls:
Avoid contact with skin, eyes and mucous membranes. Ensure adequate ventilation. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Storage and manipulation areas should be equipped with emergency eye wash (EN 15154-1). Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Avoid dust inhalation. Adequate ventilation and cleanup must be maintained to minimize dust accumulation / throw-up. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Individual protection measures, such as personal protective equipment:

a) Eye / face protection
Avoid contact with eyes. If dust formation likely to occur (e.g. refilling), wear safety glasses with side-shields or full face shield (EN 166).

b) Skin protection:
Wear appropriate rubber gloves (EN 374-1) resistant against chemicals and appropriate protective clothes and boots (EN ISO 20345). Recommended gloves material: butyl rubber, nitril rubber 0.7 mm, polyethylene, neoprene. Breakthrough time min. 240 min. (EN 374-1) for long-term work, min. 120 min. for short-term contact. Because of the lack of specific tests, the breakthrough time should be twice the expected contact time. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves.

Note: Glove suitability and breakthrough time will differ depending on the specific use conditions, such as other chemicals, physical factors (risk of cutting / tearing, thermal damage). Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves.

c) Respiratory protection:
Not expected under general / typical use. Do not inhale dusts. Ensure appropriate ventilation or exhaustion at the workplace. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: half-face particle filter respirator, type P2 (European Committee for Standardization (CEN) standards EN 136, 140 and 405 provide respirator masks and EN 149 and 143 (STN EN 14387+A1) provide filter recommendations).

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapour warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

d) Thermal hazards:
No such risk when normally used.

Environmental exposure controls:
Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions. All storage and manipulation are have to be equipped for the sanitation of possible leakage. See information in sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Properties</th>
<th>value</th>
<th>method / condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>powder</td>
<td>20°C</td>
</tr>
<tr>
<td>Colour:</td>
<td>black</td>
<td></td>
</tr>
<tr>
<td>Odour:</td>
<td>without any odour</td>
<td></td>
</tr>
</tbody>
</table>
Odour threshold: information not available
pH: information not available
Melting point/freezing point: 1070°C
Initial boiling point and boiling range: information not available
Flash point: information not available
Evaporation rate: information not available
Flammability (solid, gas) information not available
Upper/lower flammability or explosive limits: information not available
Vapour pressure: information not available
Vapour density: information not available
Density: information not available
Solubility/ies: insoluble in water, 20°C insoluble in organic solvents soluble in nitric acid
Partition coefficient: n-octanol/water: information not available
Auto-ignition temperature: information not available
Decomposition temperature: information not available
Relative viscosity: information not available
Explosive properties: not explosive
Oxidising properties: no oxidative properties

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
No specific test data related to reactivity available for this product or its ingredients. Not reactive under normal conditions.

10.2 Chemical stability
Mixture is chemically stable under normal conditions.

10.3 Possibility of hazardous reactions
Not known.

10.4 Conditions to avoid
Stable under normal conditions.

10.5 Incompatible materials
Not known.

10.6 Hazardous decomposition products
Material does not decompose at ambient temperatures. No hazardous decomposition products are expected.
SAFETY DATA SHEET
conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP)
and Commission Regulation EU No. 2015/830

Name of the product | GdBCO powder
Date of compilation/revision | 1.8.2016
Page: | - 7/10 -

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
The mixture was not toxicologically tested; classification is based on conventional calculation classification methods.

a) Acute toxicity
Based on available data, the classification criteria are not met. No toxicology data for the mixture. Based on the composition the mixture has low acute toxicity. Swallowing of larger amounts may lead to stomachache, vomiting or diarrhea.

b) Skin corrosion/irritation
Causes skin irritation. Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

c) Serious eye damage/irritation
Causes serious eye irritation upon direct contact.

d) Respiratory or skin sensitisation
Based on available data, the classification criteria are not met. Compounds do not have known sensitizing potential.

e) Germ cell mutagenicity
Based on available data, the classification criteria are not met. Compounds have no potential for mutagenicity.

f) Carcinogenicity
Based on available data, the classification criteria are not met. Compounds have no potential for carcinogenicity.

g) Reproductive toxicity
Based on available data, the classification criteria are not met. Compounds have no potential for reproductive toxicity.

h) STOT-single exposure
May cause respiratory irritation. Inhalation of loosened dust can mechanically irritate airways.

i) STOT-repeated exposure
Based on available data, the classification criteria are not met. Not expected to cause specific damage from prolonged or repeated exposure.

Symptoms of systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has led to hemolytic anemia and accelerates arteriosclerosis.

j) Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

As the final mixture is not soluble in water, environmental exposure is not expected. The mixture was not ecotoxicologically tested; classification is based on conventional calculation classification methods. Information on toxic effects is based on the effects of compounds.

12.1 Toxicity
No experimental data for the mixture. Based on the composition and conventional calculation classification methods the mixture is not classified as hazardous for environment.

12.2 Persistence and degradability
Information for mixture not available. Inorganic substance, not soluble in water.

12.3 Bioaccumulative potential
Information for mixture not available. As the final mixture is not soluble in water, bioaccumulative potential of compounds is low.

12.4 Mobility in soil
No data for the mixture. Because of physical status and insolubility in water not expected to be mobile in soil.
12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII; no substance in the amount of ≥ 0,1 %, is included in the Candidate List of the substances of very high concerns (SVHC).

12.6 Other adverse effects
Not known. In usual amount the mixture does not affect biological processes in sewage treatment plants.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
entering soil, drains, surface- and ground-waters. Product and packages should be disposed in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use.

Proposed waste classification:
Dangerous waste according to 2008/98/EC.
06 03 wastes from the MFSU of salts and their solutions and metallic oxides
Waste type name: metallic oxides containing heavy metals
Waste catalog code: 06 03 15
Hazardous waste: yes

Contaminated packages:
Can be recycled when thoroughly emptied. Not dangerous waste according to 2008/98/EC.
15 01 Packaging (including separately collected municipal packaging waste)
Waste type name: Plastic packaging
Waste Catalog code for empty package: 15 01 02
Hazardous waste: no

SECTION 14: TRANSPORT INFORMATION

The mixture is not classified as dangerous for transport according to ADR/RID/IMDG/ICAO/IATA.

14.1 UN Number: -

14.2 UN proper shipping name

<table>
<thead>
<tr>
<th>Road transport ADR</th>
<th>Rail transport RID</th>
<th>International maritime transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

14.3 Transport hazard class(es)

<table>
<thead>
<tr>
<th>Road transport ADR</th>
<th>Rail transport RID</th>
<th>International maritime transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Classification code

| - | - | - | - |

Hazard identification number (Kemler)

| - | - | - | - |

Labels

| - | - | - | - |

14.4 Packing group

<table>
<thead>
<tr>
<th>Road transport ADR</th>
<th>Rail transport RID</th>
<th>International maritime transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
conforms to Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830

Name of the product: GdBCO powder
Date of compilation/revision: 1.8.2016

14.5 Environmental hazards: no

14.6 Special precautions for user: not required

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: not transported

SECTION 15: REGULATORY INFORMATION

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

Relevant legislation of European Union:

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

<table>
<thead>
<tr>
<th>Designation of the substance, of the group of substances or of the mixture</th>
<th>Conditions of restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>GdBaCu3O7, REACH No. not available yet</td>
<td>Regulation EC 1907/2006, Annex XVII, Article 3</td>
</tr>
<tr>
<td>copper oxide, REACH No. not available yet</td>
<td>Regulation EC 1907/2006, Annex XVII, Article 3</td>
</tr>
</tbody>
</table>

15.2 Chemical safety assessment
Chemical safety assessment not carried yet

SECTION 16: OTHER INFORMATION

a) Changes made to the previous version of the safety data sheet
Not relevant – the first issue, version 1.0.

b) Key or legend to abbreviations and acronyms used in the safety data sheet

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity - single exposure</td>
</tr>
<tr>
<td>Aquatic Acute</td>
<td>Hazardous to the aquatic environment, category 1</td>
</tr>
<tr>
<td>Exp. lim.</td>
<td>Exposure limit</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible exposure limit - long term (8 h) (Czech Republic)</td>
</tr>
<tr>
<td>NPEL-P</td>
<td>The highest permissible exposure limit - short term (15 min) (Czech Republic)</td>
</tr>
<tr>
<td>OEL</td>
<td>Occupational exposure limit</td>
</tr>
<tr>
<td>PBT</td>
<td>Substances persistent, bioaccumulative and toxic</td>
</tr>
</tbody>
</table>
vPvB  Substances very persistent and very bioacumulative
VOC  Volatile organic compound
DNEL  Derived No Effect Level
PNEC  Predicted No Effect Concentration
LD50  Median lethal Dose
LC50  Median lethal concentration
EC50  Half maximal effective concentration
IC50  Half maximal inhibitory concentration
ADR  European Agreement concerning the International Carriage of Dangerous Goods by Road
RID  International Rule for Transport of Dangerous Substances by Railway
IMDG  International Maritime Dangerous Goods Code
ICAO  International Civil Aviation Organization
IATA  International Air Transport Association

c) Key literature references and sources for data
Original information on the formulation from the manufacturer.

d) Methods of evaluating information used for the purpose of classification
The mixture was classified by expert judgment and conventional calculations methods in accordance with the Regulation EC No. 1272/2008 (CLP).

e) Full wording of used Hazard Statements (H-phrases)
H315  Causes skin irritation
H319  Causes serious eye irritation
H335  May cause respiratory irritation
H400  Very toxic to aquatic life.

f) Advice on any training appropriate for workers
Before handling, storing or using the present substance for the first time, employees must be informed - common training for handling chemicals, occupational safety training. SAFETY DATA SHEET should always be available for workers at hand.

g) Other information
This Safety Data Sheet is compiled in accordance with Regulation EC No. 1907/2006 (REACH), Regulation EC No. 1272/2008 (CLP) and Commission Regulation EU No. 2015/830; Safety Data Sheet contains information on safety use, occupational health protection, and environmental protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. This particular information apply on the product as supplied and may not be valid in mixtures with other substances. If used for other purposes as identified in this SDS, the distributor is not liable for any damage.

The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

Compiled: PharmDr. Vladimir Végh, PHARMIS. www.pharmis.cz