# SAFETY DATA SHEET

Kjeldahl Tablets Antifoam

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

### 1.1 Product identifier

**Product name** : Kjeldahl Tablets Antifoam

**Other means of identification** : Article Number: 11057984

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

**Product use** : Industrial use as laboratory agent.

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

BÜCHI Labortechnik AG
Meierseggstrasse 40
CH - 9230 Flawil
Telephone: +41 71 394 63 63
FAX: +41 71 394 65 65
Email: buchi@buchi.com
Internet: www.buchi.com

**e-mail address of person responsible for this SDS** : application@buchi.com

### 1.4 Emergency telephone number

**Supplier**

**Telephone number** : Swiss Toxicological Information Centre: in Switzerland: 145, from abroad: +41 44 251 51 51 (24 h)

## 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]**

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

**Precautionary statements**

**Prevention** : Not applicable.

**Response** : Not applicable.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Supplemental label elements** : Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

## SECTION 2: Hazards identification

### 2.3 Other hazards

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

: Mixture

| Product/ingredient name | Identifiers | % | Regulation (EC) No. 1272/2008 [CLP] | Type |
|---|---|---|---|---|
| Sodium sulphate | REACH #: 01-2119519226-43<br>EC: 231-820-9<br>CAS: 7757-82-6 | 60 - 100 | Not classified. | [6] |
| Antifoam C100 | - | 1 - 5 | Not classified. | [6] |
| Silicon dioxide | REACH #: 01-2119379499-16<br>EC: 231-545-4<br>CAS: 7631-86-9 | <1 | Not classified. | [2] |

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, vPvBs or Substances of equivalent concern, 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
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
[5] Substance of equivalent concern
[6] Additional disclosure due to company policy

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

**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.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

## SECTION 4: First aid measures

### 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 dry chemical, $CO_2$, water spray (fog) or foam. Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : No specific fire or explosion hazard.

**Hazardous combustion products** : Decomposition products may include the following materials:
sulfur oxides
metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**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 (Explosibility)** : Explosive in the presence of the following materials or conditions: Aluminium.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. 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.
See also the information in "For non-emergency personnel".

**6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material 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** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

## SECTION 6: Accidental release measures

**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

### 7.1 Precautions for safe handling

**Protective measures** : 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. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

Section 7. Handling and storage: The information in this section contains generic advice and guidance.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

**Occupational exposure limits**

| Product/ingredient name | Exposure limit values |
|---|---|
| Silicon dioxide | **EH40/2005 WELs (United Kingdom (UK), 12/2011).**<br>TWA: 6 mg/m³ 8 hours. Form: inhalable dust<br>TWA: 2.4 mg/m³ 8 hours. Form: respirable dust |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

## SECTION 8: Exposure controls/personal protection

**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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
**Recommended:** Wear safety glasses with side protection in accordance with EN 166.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
**Recommended:** Wear suitable gloves tested to EN374.
Material: nitrile rubber.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**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** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
**Recommended:** Particle filter device (DIN EN 143). Filter type: P1.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance**

**Physical state** : Solid. [Tablet.]

**Colour** : White.

**Odour** : Odourless.

**Odour threshold** : Not available.

**pH** : Not available.

**Melting point/freezing point** : 884°C (main component).

**Initial boiling point and boiling range** : Not available.

**Flash point** : Not available.

**Evaporation rate** : Not available.

**Flammability (solid, gas)** : Not available.

**Upper/lower flammability or explosive limits** : Not available.

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Relative density** : Not available.

## SECTION 9: Physical and chemical properties

**Density** : 2.7 g/cm³ [20°C] (main component).

**Solubility(ies)** : Not available.

**Solubility in water** : >10 g/l (main component).

**Partition coefficient: n-octanol/ water** : Not available.

**Auto-ignition temperature** : >400°C (main component).

**Decomposition temperature** : Not available.

**Viscosity** : Not available.

**Explosive properties** : Explosive in the presence of the following materials or conditions: Aluminium.

**Oxidising properties** : No oxidising ingredients present.

### 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. Can undergo an exothermic reaction with aluminium.

**10.4 Conditions to avoid** : Keep away from heat and direct sunlight. Protect from moisture.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials: Aluminium.

**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**

| Product/ingredient name | Result | Species | Dose | Exposure | Remarks |
|---|---|---|---|---|---|
| Sodium sulphate | LC50 Inhalation Vapour [OECD 436] | Rat | >2.4 mg/l | 4 hours | Mortality: None. |
| | LD50 Oral | Rat | 6000 mg/kg | - | - |
| Silicon dioxide | LC50 Inhalation Dusts and mists [OECD 403] | Rat - Male, Female | >0.14 mg/l | 4 hours | Mortality: None.<br>test substance: CAS no. 112945-52-5 (read-across). |
| | LD50 Dermal [OECD 402] | Rabbit - Male, Female | >5000 mg/kg | - | test substance: CAS no. 112926-00-8 (read-across) |
| | LD50 Oral [OECD 401] | Rat - Male, Female | >5000 mg/kg | - | test substance: CAS no. 112926-00-8 (read-across) |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

## SECTION 11: Toxicological information

### Acute toxicity estimates

Not available.

### Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation | Remarks |
|---|---|---|---|---|---|---|
| Sodium sulphate | Skin - Non-irritating to the skin. [OECD 404] | Rabbit | - | 4 hours | 14 days | - |
| | Eyes - Non-irritating to the eyes. [EU Method B.5] | Rabbit | - | 24 hours | 21 days | - |
| Silicon dioxide | Skin - Non-irritating to the skin. [OECD 404] | Rabbit | - | 4 hours | 14 days | test substance: CAS no. 112926-00-8 (read-across). |
| | Eyes - Non-irritating to the eyes. [OECD 405] | Rabbit | - | 24 hours | 7 days | test substance: CAS no. 112926-00-8 (read-across). |

**Conclusion/Summary**

**Skin** : Based on available data, the classification criteria are not met.

**Eyes** : Based on available data, the classification criteria are not met.

### Sensitisation

| Product/ingredient name | Route of exposure | Species | Result | Remarks |
|---|---|---|---|---|
| Sodium sulphate | skin | Guinea pig | Not sensitizing [OECD 406] | - |

**Conclusion/Summary**

**Skin** : Based on available data, the classification criteria are not met.

### Mutagenicity

| Product/ingredient name | Test | Experiment | Result | Remarks |
|---|---|---|---|---|
| Sodium sulphate | - | Experiment: In vitro Subject: Bacteria | Negative | - |
| | OECD 473 | Experiment: In vitro Subject: Mammalian-Animal | Negative | - |
| Silicon dioxide | OECD 471 | Experiment: In vitro Subject: Bacteria | Negative | test substance: CAS no. 112945-52-5 (read-across). |
| | - | Experiment: In vivo Subject: Mammalian-Animal | Negative | test substance: CAS no. 112945-52-5 (read-across). |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Carcinogenicity

| Product/ingredient name | Result | Species | Dose | Exposure | Remarks |
|---|---|---|---|---|---|
| Silicon dioxide | Negative - Oral [OECD 453] | Rat - Male | 1800 to 3000 mg/kg NOAEL | 103 weeks | - |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

## SECTION 11: Toxicological information

### Reproductive toxicity

| Product/ingredient name | Maternal toxicity | Fertility | Developmental toxin | Species | Dose | Exposure | Remarks |
|---|---|---|---|---|---|---|---|
| Sodium sulphate | Negative | Negative | Negative | Rat - Male, Female | Oral: 1000 mg/kg NOEL | 7 weeks; 7 days per week | OECD 421 |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

| Product/ingredient name | Result | Species | Dose | Exposure | Remarks |
|---|---|---|---|---|---|
| Silicon dioxide | Negative - Oral [OECD 414] | Rat - Female | 1350 mg/kg NOAEL | - | test substance: CAS no. 112926-00-8 (read-across). |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### 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 specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

## SECTION 11: Toxicological information

| Product/ingredient name | Result | Species | Dose | Exposure | Remarks |
|---|---|---|---|---|---|
| Sodium sulphate | Sub-chronic NOEL Oral [OECD 421] | Rat - Male, Female | 1000 mg/kg | 7 weeks; 7 days per week | - |
| | Sub-chronic NOEL Dermal [OECD 411] | Rat - Male, Female | 320 mg/kg | 91 days | - |
| Silicon dioxide | Sub-chronic NOEL Oral [OECD 408] | Rat - Male, Female | 4000 mg/kg | 13 weeks; 7 days per week | test substance: CAS no. 112926-00-8 (read-across). |
| | Sub-chronic NOAEL Inhalation Vapour [OECD 413] | Rat - Male, Female | 1.3 mg/m³ | 13 weeks; 5 days per week | NOAEC; test substance: CAS no. 112945-52-5 (read-across). |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**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

| Product/ingredient name | Result | Species | Exposure | Remarks |
|---|---|---|---|---|
| Sodium sulphate | Acute EC50 1900 mg/l Fresh water | Algae - Nitzschia linearis | 120 hours | - |
| | Acute EC50 4736 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours | - |
| | Acute LC50 7960 mg/l Fresh water | Fish - Pimephales promelas | 96 hours | - |
| Silicon dioxide | Acute EC50 >1000 mg/l Fresh water [OECD 202] | Daphnia - Daphnia magna | 24 hours | EL50; test substance: CAS no. 112945-52-5 (read-across) |
| | Chronic NOEC 10000 mg/l Fresh water [OECD 201] | Algae - Desmodesmus subspicatus | 72 hours | NOELR; test substance: CAS no. 1344-00-9 (read-across) |

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not applicable.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

**Soil/water partition coefficient ($K_{OC}$)** : Not available.

**Mobility** : Not available.

## SECTION 12: Ecological information

### 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.

### 13.1 Waste treatment methods

**Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

**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. 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

| | ADR/RID | ADN | IMDG | IATA |
|---|---|---|---|---|
| **14.1 UN number** | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| **14.2 UN proper shipping name** | - | - | - | - |
| **14.3 Transport hazard class(es)** | - | - | - | - |
| **Label** | | | | |
| **14.4 Packing group** | - | - | - | - |
| **14.5 Environmental hazards** | No. | No. | Marine Pollutant: No | No. |

**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 and the IBC Code** : Not applicable.

## 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**

**Annex XIV**

None of the components are listed.

**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**

**Ozone depleting substances (1005/2009/EU)**

Not listed.

**Prior Informed Consent (PIC) (649/2012/EU)**

Not listed.

**Seveso Directive**

This product is not controlled under the Seveso Directive.

**National regulations**

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol (Annexes A, B, C, E)**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

**Europe** : At least one component is not listed.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
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
IATA = International Air Transport Association

## SECTION 16: Other information

IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

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

| Classification | Justification |
|---|---|
| Not classified. | |

**Full text of abbreviated H statements**

Not applicable.

**Full text of classifications [CLP/GHS]**

Not applicable.

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**Date of previous issue** : 17/09/2013

**Version** : 2

**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.**