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

1.1 Product identifier
- Trade name: Spectrem 2 Black
- Article number: 0012-644-5000

1.2 Relevant identified uses of the substance or mixture and uses advised against
- Product category: PC1  Adhesives, sealants
- Application of the substance / the mixture: Sealant

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: VIKING GmbH
  Hans Peter Stihl-Straße 5
  A-6336 Langkampfen/Kufstein
  Tel: +43(0)5372-6972-298
  Fax: +43(0)5372-61183-298
  Email: information@viking.at
- Informing department:
  Produktmanagement VIKING GmbH
  Tel.: +43(0) 5372-6972-338
- 1.4 Emergency telephone number:
  +43(0) 5372-6972-338 (09:00 - 17:00)
  Information for transport: Tel.: +49-621-60-43333  Fax: +49-621-60-92664

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  GHS08 health hazard
  Carc. 2  H351  Suspected of causing cancer.
  GHS05 corrosion
  Eye Dam. 1  H318  Causes serious eye damage.
  GHS07
  Skin Sens. 1  H317  May cause an allergic skin reaction.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
  The product is classified and labelled according to the CLP regulation.
Trade name: Spectrem 2 Black

- **Hazard pictograms**

  ![Pictograms](image)

- **Signal word** Danger

- **Hazard-determining components of labelling:**
  2-butanone oxime

- **Hazard statements**
  H318 Causes serious eye damage.
  H317 May cause an allergic skin reaction.
  H351 Suspected of causing cancer.

- **Precautionary statements**
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P201 Obtain special instructions before use.
  P202 Do not handle until all safety precautions have been read and understood.
  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/doctor.
  P302+P352 IF ON SKIN: Wash with plenty of water.
  P362+P364 Take off contaminated clothing and wash it before reuse.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

---

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
  - **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

  | CAS: 96-29-7 | 2-butanone oxime |
  | EINECS: 202-496-6 |  | Carc. 2, H351; Eye Dam. 1, H318; Acute Tox. 4, H312; Skin Sens. 1, H317 |
  | 1-5% |

- **Additional information**
  
The mixture contains the following substances about which there are no relevant information available:
  1. Silicone polymer NJ TSRN 51721300-5110P
  2. Organosilane NJ TSRN 51721300-5368P

  For the wording of the listed risk phrases refer to section 16.

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### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
  
  - **After inhalation**
    Supply fresh air and to be sure call for a doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  
  - **After skin contact**
    Instantly wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.
  
  - **After eye contact**
    Rinse opened eye for several minutes under running water. Then consult doctor.
Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 03.11.2015  Version number 1  Revision: 03.11.2015

Trade name: Spectrem 2 Black

(Contd. of page 2)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - Suitable extinguishing agents
    Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
  - For safety reasons unsuitable extinguishing agents
    Water with a full water jet.

- **5.2 Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**
  - Protective equipment:
    Wear self-contained breathing apparatus.
    Wear full protective suit.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Avoid contact with eyes and skin.

- **6.2 Environmental precautions**:
  - Do not allow to enter drainage system, surface or ground water.

- **6.3 Methods and material for containment and cleaning up**:
  - Collect mechanically.
  - Dispose of contaminated material as waste according to item 13.

- **6.4 Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.

- **7.2 Conditions for safe storage, including any incompatibilities**
  - Storage
    - Requirements to be met by storerooms and containers: No special requirements.
    - Information about storage in one common storage facility:
      - Do not store together with acids.
      - Do not store together with alkalis (caustic solutions).
      - Store away from oxidising agents.
      - Store away from water.
    - Further information about storage conditions: None.
    - Storage class 12
  - 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems**:
  - No further data; see item 7.

(Contd. on page 4)
8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>96-29-7 2-butanone oxime</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OEL</strong></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

- Personal protective equipment
  - General protective and hygienic measures
    - Keep away from foodstuffs, beverages and food.
    - Take off contaminated clothing and wash it before reuse.
    - Wash hands during breaks and at the end of the work.
    - Avoid contact with the eyes and skin.
  - Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands:

  ![Protective gloves]

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves
    - Nitrile rubber, NBR
    - Butyl rubber, BR
    - Fluorocarbon rubber (Viton)
  - Penetration time of glove material
    - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Not suitable are gloves made of the following materials:
    - Natural rubber, NR
    - Chloroprene rubber, CR
    - PVC gloves
  - Eye protection: Safety glasses recommended during refilling.
  - Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - **Form:** Pasty
    - **Colour:** Black
    - **Odour:** Characteristic
    - **pH-value:** Not determined.
  - Change in condition
    - **Melting point/Melting range:** Not determined
    - **Boiling point/Boiling range:** Not determined
    - **Flash point:** Not applicable
Trade name: Spectrem 2 Black

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
  - Reacts with acids, alkalis and oxidising agents.
  - Reacts with alcohols.
  - Reacts with water.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

<table>
<thead>
<tr>
<th>96-29-7 2-butanone oxime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Causes serious eye damage.
  - **Respiratory or skin sensitisation** May cause an allergic skin reaction.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Suspected of causing cancer.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity:
    - 96-29-7 2-butanone oxime
    - LC50/96 h: 843 mg/l (fish)
  - 12.2 Persistence and degradability: No further relevant information available.
  - 12.3 Bioaccumulative potential: No further relevant information available.
  - 12.4 Mobility in soil: No further relevant information available.

  Additional ecological information:
  - General notes:
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
    - Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    - The waste code numbers mentioned are recommendations based on the probable use of the product.

  - European waste catalogue
    - 08 04 09: waste adhesives and sealants containing organic solvents or other hazardous substances

  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR,RID,ADN, ADN, IMDG, IATA: Void

- 14.2 UN proper shipping name
  - ADR,RID,ADN, ADN, IMDG, IATA: Void

- 14.3 Transport hazard class(es)
  - ADR,RID,ADN, ADN, IMDG, IATA
    - Class: Void

- 14.4 Packing group
  - ADR,RID,ADN, IMDG, IATA: Void

- 14.5 Environmental hazards:
  - Not applicable.
<table>
<thead>
<tr>
<th>SECTION 15: Regulatory information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</strong></td>
</tr>
<tr>
<td>- Directive 2012/18/EU</td>
</tr>
<tr>
<td>- Named dangerous substances - ANNEX I None of the ingredients is listed.</td>
</tr>
<tr>
<td>- <strong>15.2 Chemical safety assessment:</strong> A Chemical Safety Assessment has not been carried out.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECTION 16: Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</td>
</tr>
<tr>
<td><strong>Relevant phrases</strong></td>
</tr>
<tr>
<td>H312 Harmful in contact with skin.</td>
</tr>
<tr>
<td>H317 May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318 Causes serious eye damage.</td>
</tr>
<tr>
<td>H351 Suspected of causing cancer.</td>
</tr>
<tr>
<td><strong>Department issuing data specification sheet:</strong></td>
</tr>
<tr>
<td>The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr.Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49 5066 900990.</td>
</tr>
<tr>
<td><strong>Abbreviations and acronyms:</strong></td>
</tr>
<tr>
<td>ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td>
</tr>
<tr>
<td>IMDG: International Maritime Code for Dangerous Goods</td>
</tr>
<tr>
<td>IATA: International Air Transport Association</td>
</tr>
<tr>
<td>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</td>
</tr>
<tr>
<td>EINECS: European Inventory of Existing Commercial Chemical Substances</td>
</tr>
<tr>
<td>ELINCS: European List of Notified Chemical Substances</td>
</tr>
<tr>
<td>CAS: Chemical Abstracts Service (division of the American Chemical Society)</td>
</tr>
<tr>
<td>LC50: Lethal concentration, 50 percent</td>
</tr>
<tr>
<td>LD50: Lethal dose, 50 percent</td>
</tr>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB: very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>Acute Tox. 4: Acute toxicity, Hazard Category 4</td>
</tr>
<tr>
<td>Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1: Sensitisation - Skin, Hazard Category 1</td>
</tr>
<tr>
<td>Carc. 2: Carcinogenicity, Hazard Category 2</td>
</tr>
</tbody>
</table>