Material Safety Data Sheet

Accepta 6031

1. Company Identification and Product Information

   Product Name: Accepta 6031
   Application: Water treatment chemical
   Supplier: Accepta Ltd
              Statham House
              Talbot Road
              Manchester
              M32 0FP
   Telephone: 0161 877 2334
   Fax: 0870 135 6389
   Email: info@accepta.com
   Website: www.accepta.com
   Emergency (only) Telephone: 0161 877 2334

2. Hazard Identification

   The preparation is classified as dangerous in accordance with Directive 1999/45/EC
   Classification: C; R38 Xi; R25; R50
   Hazard Symbols: C - Corrosive, Xi - Irritant, Oxidizer, Irritant
   Most Important Hazards: Irritating to respiratory system.

3. Composition Information

   Chemical Nature of the Preparation: Solid Alkaline Stick
### Chemical Name | EC No. | Reach No. | CAS-No | Weight % | Classification
--- | --- | --- | --- | --- | ---
Sodium | 231-555-9 | - | 7632-00-0 | 30 - 40 % | R8, R25, R50
Nitrite | - | - | 1303-96-4 | 30 - 40 % | R62, R63
Sodium Tetra-Borate | 215-540-4 | - | | | Xn

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

### 4. First Aid Measures

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

#### Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

#### Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.

#### Ingestion
Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Call a physician or Poison Control Centre.

#### Inhalation
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

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

### 5. Fire Fighting Measures

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

#### Extinguishing Media Which Must not be used for Safety Reasons
No information available

#### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
The product is non-combustible. In case of fire toxic gases can be released

#### Special protective equipment for fire-fighters
As in any fire, wear full protective gear

### 6. Accidental Release Measures

#### Environmental Precautions
Do not allow material to contaminate ground water system.
Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Personal Precautions**
- Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material.

**Methods for cleaning up**
- Soak up solutions with inert absorbent material. Take up mechanically and collect in suitable container for disposal.
- Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

**Other Information**
- Refer to protective measures listed in Sections 7 and 8

### 7. Handling and Storage

**Handling**
- Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.
- In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage**
- Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. Keep out of the reach of children.

### 8. Exposure Controls

**Exposure Limits**
- There are no recommended or established controls for this product

**Occupational Exposure Controls**

<table>
<thead>
<tr>
<th>Engineering measures</th>
<th>Secure adequate ventilation, especially in confined areas</th>
</tr>
</thead>
</table>

**Personal Protective Equipment**

<table>
<thead>
<tr>
<th>Respiratory Protection</th>
<th>Dust Mask when dust is generated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Protection</td>
<td>Tightly fitting safety goggles</td>
</tr>
<tr>
<td>Skin and Body Protection</td>
<td>Impervious clothing. Chemical resistant apron.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Impervious butyl rubber gloves</td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>Remove and wash contaminated clothing before re-use.</td>
</tr>
<tr>
<td></td>
<td>Provide regular cleaning of equipment, work area and clothing</td>
</tr>
</tbody>
</table>

**Environmental Exposure Control**
- Prevent product from entering drains

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>General Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
</tr>
</tbody>
</table>
Appearance     off white, solid
Odour          None

Important health safety and environmental information
Flash Point   No information available
pH (1% sol)   8.5 - 9.0
Vapour Pres.  No information available
Viscosity:    Not applicable Water
Density:      1.079 kg/l
Vapour Dens.  No information available
Flammability Limits in Air: Not flammable
Boiling Point/Range No Information Available
Solubility    Appreciable
Auto ignition Temp: No Information Available
VOC Content:  No Information Available
Evaporation Rate No information Available

Other Information
Melting Point/Range not available

10. Stability and Reactivity

Stability          Stable under normal conditions
Conditions to Avoid Exposure to air or moisture over prolonged periods.
Materials to Avoid  Strong Acids
Hazardous Decomposition At very high temperatures can release carbon monoxide products

11. Toxicological Information

Product Information
Inhalation      May cause irritation of respiratory tract.
Eye Contact     Corrosive to the eyes and may cause severe damage including blindness
Skin Contact    Contact causes severe skin irritation and possible burns
Ingestion       Can burn mouth, throat, and stomach. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.
Chronic Toxicity
Corrosivity     This product is corrosive to living tissue. Alkaline solution causes necrosis to tissue.
Target Organ Effects Eyes. Respiratory system. Skin.
12. Ecological Information

General ecological information
Inorganic product: Decomposition not affected
Other Remarks: If alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 - 10, as variations could cause disorders in wastewater channels and biological sewage treatment plants. The local regulations take precedence.

13. Disposal Considerations

<table>
<thead>
<tr>
<th>Waste from Residues/ Unused Products</th>
<th>Waste disposal with the approval of the responsible local authority. Should not be released into the environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance/preparation disposal methods</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Contaminated Packaging</td>
<td>Do not re-use empty containers. Recycle.</td>
</tr>
<tr>
<td>Other Information</td>
<td>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 applications for which the product was used.</td>
</tr>
</tbody>
</table>

14. Transportation Information

Oxidizing Agent, Toxic, Corrosive Solid, Basic, Inorganic, N.O.S. (Sodium Nitrite)
UN
Proper Shipping Name: Sodium Nitrite
UN No.: 1500
Hazard Class: 5.1
Packing Group: III

Road/Rail (ADR/RID)
Proper Shipping Name: Sodium Nitrite
ADR UN No.: 1500
ADR Hazard Class: 5.1

Sea(IMDG)
Proper Shipping Name: Sodium Nitrite
IMDG UN No.: 1500
IMDG Hazard Class: 5.1
IMDG Pack Group: III
IMDG EmS: F-A, S-Q
IMDG subrisk: 6.1
IMDG Labels: 5.1 + 6
IMDG Flashpoint: N/A

Air(ICAO/IATA)
Proper Shipping Name: Sodium Nitrite
ICAO Un No.: 1500
ICAO Hazard Class: 5.1
ICAO Packing Group.: III
ICAO subrisk: 6.1
ICAO Labels: 5.1 + 6

DOT/CFR(US Dept. of Trans)
DOT Proper Shipping Name: Sodium Nitrite
Hazardous Material: Sodium Nitrite
Hazard Class: 5.1
Identification Number: UN 1500
Product RQ (lbs): N/E
DOT subrisk: 6.1
DOT Labels: 5.1 + 6
DOT Flashpoint: N/A

15. Regulatory Information

Labelling
The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials

Code Letter
Oxidizing Toxic Dangerous for the Environment

Hazard-determining components of labelling
Contains Sodium Nitrite
Risk Phrases
- Contact with combustible material may cause fire (R8)
- Toxic if swallowed (R25)
- Contact with acids liberates toxic gas (R31)
- Very toxic to aquatic organisms (R50)
- Possible risk of impaired fertility (R62)
- Possible risk of harm to the unborn child (R63)

S-phrase
S14 - Keep away from acid
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
S61 - Avoid release to the environment.
TAKE NOTE OF DIR 94/33/EC ON THE PROTECTION OF YOUNG PEOPLE AT WORK. Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
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<tbody>
<tr>
<td>TSCA</td>
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<tr>
<td>EINECS/ELINCS</td>
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<td>DSL/NDSL</td>
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<td>PICCS</td>
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<td>ENCS</td>
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<td>IECSC</td>
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<td>AICS</td>
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<td>KECL</td>
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**Legend**

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

### 16. Other Information

Full text of R-phrases referred to under sections 2 and 3
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R34 - causes burns
R36/38 - Irritating to eyes and skin
Issuing Date 01 - October 2008
Revision Date 01 - November 2008
Revision Date Not applicable
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

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