



## Material Safety Data Sheet

**Accepta 2114**

Date issued: 01-06-2004

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name: ACCEPTA 2114  
Application:

Company Identification: Accepta Ltd.  
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Manchester  
M17 1HH  
United Kingdom

Office telephone number: +44 (0) 161 240 2100  
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Emergency Telephone Number: +44 (0) 161 240 2100

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION:  
Water, Inorganic salt(s), Sodium nitrite, Potassium hydroxide, Substituted triazole.

HAZARDOUS INGREDIENTS:

CAS NO.	EINECS NO.	CHEMICAL NAME	WT %	SYMBOL	R-PHRASES
7632-00-0	2315559	Sodium nitrite	30 - 40	O,T,N	8,25,50
1310-58-3	2151813	Potassium hydroxide	< 2	C	22, 35

### 3. HAZARD IDENTIFICATION

This product is classified as dangerous (European Directive 88/379/EEC, 1999/45/EC).

HUMAN HEALTH HAZARDS - ACUTE:

INHALATION: May cause irritation of mucous membranes.

SKIN CONTACT: Irritating to skin.

EYE CONTACT: Irritating to eyes.

INGESTION: Toxic if swallowed. May cause mucosal damage. Components of the product create formation of methaemoglobin. Pregnant women are particularly sensitive to methemoglobinemia.

HUMAN HEALTH HAZARDS - CHRONIC:

Repeated ingestion of small amounts of sodium nitrite causes drops in blood pressure, rapid pulse, headaches and visual disturbances. It may also react with organic amines in the body to form carcinogenic nitrosamines.

ENVIRONMENTAL HAZARDS Very toxic to aquatic organisms.

PHYSICAL AND CHEMICAL HAZARDS:

Contact with acids liberates toxic gas. If product is allowed to dry, the sodium nitrite is an oxidising agent and can initiate the combustion of other materials.

Gives off hydrogen by reaction with metals.



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### 4. FIRST AID MEASURES

**INHALATION:**

Obtain medical attention immediately. Remove to fresh air, rest, treat symptomatically.

**SKIN CONTACT:**

Obtain medical attention immediately. Remove contaminated clothing. Wash off affected area immediately with plenty of water.

**EYE CONTACT:**

Speed is essential. Obtain medical attention immediately. Immediately gently irrigate with clean water for at least 15 minutes. Move eyeball and keep eyelids wide open and apart whilst irrigating.

**INGESTION:**

Seek medical advice immediately, showing the label and/or SDS. **Do not induce vomiting without medical advice.** If conscious washout mouth and give one pint of water to drink.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

Use extinguishing media appropriate for surrounding fire.

**FIRE AND EXPLOSION HAZARD**

May evolve toxic gases or fumes under fire conditions, Oxides of nitrogen, Oxides of carbon.

If product is allowed to dry, the sodium nitrite is an oxidising agent and can initiate the combustion of other materials.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING:**

In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:**

Do not breathe vapour. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Ensure adequate ventilation. Use personal protective equipment recommended in Section 8.

**ENVIRONMENTAL PRECAUTIONS:**

Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform the appropriate water authorities.

**METHODS FOR CLEANING UP:**

Contain and absorb with sand or vermiculite and mix well. Collect up and remove to a safe place until disposal. Wash site of spillage thoroughly with water. Assistance can be obtained from waste disposal companies. Do not use cotton waste, sawdust or other combustible substances as absorbent materials, these may ignite when dried out.



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### 7. HANDLING AND STORAGE

**HANDLING:**

Do not breathe vapour. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid generating aerosols and mists.  
Avoid use of brass, aluminium, Zinc and their alloys and galvanised metals. Gives off hydrogen by reaction with metals.

**STORAGE CONDITIONS:**

Keep container tightly closed. Store separately from acids, Organic materials and reducing agents. Storage for more than two years is not recommended.

**CONSTRUCTION MATERIAL COMPATIBILITY.** Compatible with:

Equipment for storage and application should be constructed from glass, polypropylene, rubber or polyethylene.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS**

**NATIONAL REGULATIONS UK**

Potassium hydroxide: 2 mg/m<sup>3</sup> (STEL)

**NATIONAL REGULATIONS FRANCE**

Potassium hydroxide: VLE 2 mg/m<sup>3</sup>

**NATIONAL REGULATIONS FINLAND**

Potassium hydroxide: HTP 2 mg/m<sup>3</sup>

**NATIONAL REGULATIONS NORWAY**

Potassium hydroxide: TLV 2 mg/m<sup>3</sup> (ceiling )

**NATIONAL REGULATIONS DENMARK**

Potassium hydroxide: GV 2 mg/m<sup>3</sup> ( ceiling )

**ENGINEERING MEASURES**

Use general ventilation with local exhaust ventilation.

**RESPIRATORY PROTECTION:**

An approved respirator must be worn if the occupational exposure limit is likely to be exceeded. Wear a cartridge respirator, filter-type B/P3.

**HAND PROTECTION:**

PVC gloves, Nitrile gloves. Most glove materials are of low chemical resistance. Replace gloves regularly.

**SKIN PROTECTION:**

Apron and boots.

**EYE PROTECTION:**

Chemical splash goggles, face shield.

**HYGIENE RECOMMENDATIONS:**

Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Wash hands during breaks and at end of the shift.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical properties are typical values for this product

FORM: Liquid

COLOUR: Red

ODOUR: Slight

BOILING POINT: 100 °C

FLASH POINT: > 100 °C

VAPOUR PRESSURE same as water

RELATIVE DENSITY: 1.31 g/cm<sup>3</sup>

SOLUBILITY IN WATER: Complete

pH (neat, 20°C): 13.5

VISCOSITY (20 °C): 5 cps

FREEZING POINT: -8 °C ASTM D-1177



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### 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable under ambient conditions.

**CONDITIONS TO AVOID:**

Freezing temperatures.

**MATERIALS TO AVOID:**

Do not mix with Acids, Organic materials and reducing agents, Cyanides and ammonium compounds. Gives

off hydrogen by reaction with metals.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of nitrogen (under acidic conditions), (under fire conditions).

### 11. TOXICOLOGICAL INFORMATION

Please refer to section 3 for hazards identification.

**ACUTE TOXICITY DATA:** The following results are for the hazardous ingredients ( Sodium nitrite).

**ACUTE LETHALITY VALUES:**

Oral (rat) LD50 = 85 mg/kg

**PRIMARY (DRAIZE TEST) SKIN/EYE**

Irritating to eyes and skin.

**CHRONIC TOXICITY DATA:**

Repeated ingestion of small amounts of sodium nitrite causes drops in blood pressure, rapid pulse, headaches and visual disturbances. It may also react with organic amines in the body to form carcinogenic nitrosamines.

### 12. ECOLOGICAL INFORMATION

No data available on the product.

**ADDITIONAL ECOLOGICAL DATA:**

Nitrite is toxic to fish.

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### 13. DISPOSAL CONSIDERATIONS

Via authorized contractor. If this product becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code.

NATIONAL REGULATIONS UK

In accordance with the Environmental Protection ( Duty of Care) Regulations 1991. Special Waste Regulations 1996 apply.

### 14. TRANSPORT INFORMATION

Class: 8 Packing group: III

Sea transport: 8 UN 2922

Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (Potassium hydroxide, Sodium nitrite )  
ADR/RID, H.I.n.: 86

### 15. REGULATORY INFORMATION

CLASSIFICATION:



N. DANGEROUS FOR THE ENVIRONMENT

TOXIC

Contains: Sodium nitrite, Potassium hydroxide

RISK PHRASES: R25 Toxic if swallowed. R36/38 Irritating to eyes and skin. R50 Very toxic to aquatic organisms.

SAFETY PHRASES:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S61 Avoid release to the environment.

Refer to special instructions/Safety Data Sheets.

SPILLAGE: Do not clean up spills with sawdust, cotton waste or other combustible absorbent materials

NATIONAL REGULATIONS GERMANY

VbF-Klasse: None

WHG-WGK: 2 Classification according VwVwS v. 17.05.99, Anhang 4

TA-Luft: -

Berufsgenossensch. Vorschriften: Take notice of UVV-Chemie

Hinweise zur Beschäftigungsbeschränkung: Observe § 15 of regulations for hazardous substances

NATIONAL REGULATIONS UK

COSHH regulations apply. A precaution card is available and should be displayed wherever this product is used and stored (Ref. TX, Ox)

NATIONAL REGULATIONS SWITZERLAND BAGT-Nr: 642042

Toxic class: 2

NATIONAL REGULATIONS NORWAY Registration number 050736



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<b>16. OTHER INFORMATION</b>
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Emergency Telephone Number +44 (0) 161 240 2100
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