

## SAFETY DATA SHEET

PRODUCT NAME: BATIFACE

PRODUCT CODE: DT 027

ISSUE DATE: 8 February 2007

**1 - SUBSTANCE IDENTIFICATION**

1.1 Commercial name: **BATIFACE**  
 1.2 Supplier: **SPCB UK LIMITED**  
**80 Ryland Road - Welton - Lincolnshire - LN2 3LZ**  
 Telephone: 01673 866677 Fax: 01673 866699 Emergency N°: 07740 177678

**2 - COMPOSITION/INFORMATION ON COMPONENTS**

2.1 Chemical nature: Aqueous alkaline preparation  
 2.2 Dangerous components : **Sodium hydroxide**: ..... N° EEC:..... 011-002-00-6  
 N° CAS:..... 1310-73-2  
 Concentration: ..... < 5%  
 Symbol:..... C  
 Phrase R:..... 35  
**Sodium hypochlorite**: N° EEC:..... 017-011-00-1  
 N° CAS:..... 7681-52-9  
 Concentration:..... Cl active < 10%  
 Symbol:..... Xi  
 Phrase R:..... 31-34

**3 - IDENTIFICATION OF DANGERS**

3.1 Dangers : Corrosive  
 3.2 Specific Risks: Can cause severe burns on all areas of the body. Severe burns of the eye.

**4 - FIRST AID**

General instructions: Take action quickly. Call a doctor. Do not make the patient drink or vomit if the patient is unconscious or has convulsions.  
 4.1 Contact with skin: Wash immediately and thoroughly with large quantities of water for at least 15 minutes and remove all contaminated clothes. Continue rinsing the affected part of the body for a further 10 minutes. Consult doctor.  
 4.2 Contact with eyes: Rinse immediately with an eye solution (DIPHOTERINE) or with water, keeping eyes open for 15 minutes. Consult an ophthalmologist.  
 4.3 Ingestion: Do not make the patient vomit. Keep the person conscious, rinse the mouth with water. Consult a doctor and show him the packaging or label.

**5 - FIRE FIGHTING MEASURES (see also : stability and reactivity)**

5.1 Specific dangers: Non combustible. If in contact with light metals (aluminium and its alloys, zinc) can produce hydrogen, an inflammable gas. Contact with certain chemical products can produce a violent and explosive reaction.  
 5.2 Do not use: Nil  
 5.3 Protective equipment: In case of fire close to the product, use individual breathing apparatus and full protective clothing.

**6 - MEASURES TO TAKE IF ACCIDENTALLY SPILLED**

6.1 Individual precautions: Ensure that intervening personnel wear appropriate individual protective clothing (see chapter 8)  
 6.2 Precautions for environmental protection: Avoid spillage and dispersal of product into drains by retaining the product with sand, soil or other similar absorbent mineral.  
 6.3 Cleaning methods:  
 - Recovery: ..... Recover the majority of product by pumping or absorption.  
 - Neutralisation:..... Neutralise the chlorine using sodium hyposulphate, then neutralise the remaining product with diluted acid (pH between 5.5 and 8.5)  
 - Cleaning:..... Cleaning with water of large quantities of the product in the direction of drains must only be carried out with the prior agreement of the relevant authorities.

**7 - HANDLING AND STORAGE**

7.1 Handling: Technical measures: ..... Avoid contact with eyes and skin. Avoid inhalation of high concentration of product.  
 Precautions: Handle carefully to avoid any spillage during decanting and dilution. Use automatic handling systems wherever possible.  
 Advice on use: ..... Handle away from acids. Temperature of use < 65°C  
 7.2 Storage: Technical measures: ..... Keep the container well closed after use.  
 Storage conditions:  
 Recommended: ..... Store in ventilated and temperate premises, away from light. Recommended shelf life 4 months.  
 Avoid: ..... Storage outside during summer, under direct sunlight.  
 Incompatible material:.. Store away from acids.  
 Packaging material: ..... (Recommended) Polypropylene, PVC, steel with special coating, glass, plastic material rubber compatible.  
 Avoid: ..... Light metal (aluminium and alloys), ordinary steel, stainless steel.

**8 - CONTROL OF EXPOSURE/INDIVIDUAL PROTECTION**

8.1 Technical measures: Ventilation at work station. Water and eye fountain at work station.  
 8.2 Control parameters: Average levels of exposure at work place VME : ..... 2mg/m<sup>3</sup> of air (for sodium hydroxide)  
 8.3 Equipment for individual protection:  
 - Respiratory protection: ..... Respiratory protective equipment in case of exposure likely at rates higher than the VLE at the work place (misty atmosphere).  
 - Protection of hands:..... Suitable gloves  
 - Eye protection:..... Glasses or a full protective face mask  
 - Protection of skin and body in addition to hand protection: ..... Suitable waterproof protective clothing (boots, rubber apron)  
 8.4 Hygiene measures: Do not eat, drink or smoke during handling. Wash hands with soap and water after using the product.

**9 - PHYSICAL AND CHEMICAL PROPERTIES (not product specification)**

9.1 Physical state at 20°C:..... Liquid  
 9.2 Colour: ..... Pale yellow  
 9.3 Odour: ..... Chlorinated  
 9.4 PH Value at 20°C ..... 11.8 solution at 1%  
 9.5 Specific temperature for change of state: ..... - Crystallization - 10°C  
 9.6 Flashpoint: ..... None  
 Explosivity:..... Nil  
 9.7 Mass volume at 15°C:..... 1.080 g/cm<sup>3</sup>  
 9.8 Solubility in water:..... Soluble

## 10 - STABILITY AND REACTIVITY

- 10.1 *Chemical Stability:* Reacts violently with acids (chlorine emission). Reacts quickly with light metals (aluminium, zinc, tin) with the formation of hydrogen.
- 10.2 *Conditions to avoid:* Storage in light, close to acids.
- 10.3 *Substances to avoid:* Light metals, never mix with acids.
- 10.4 *Products of dangerous decomposition:* Chlorine.

## 11 - TOXICOLOGICAL INFORMATION

- 11.1 *Inhalation:* The mist given off is an irritant to the respiratory system. The effect can vary from irritation of the nasal mucous to a severe pulmonary irritation.
- 11.2 *Contact with skin:* Burns, lesions, cracks.
- 11.3 *Contact with eyes:* Burns of all eye tissue, serious lesions of the eye
- 11.4 *Ingestion:* Serious burns of digestive tract, risk of intoxication. DL 50 oral, rat : sup. 5000 mg/kg (Sodium hypochlorite at 13% of C1 active)

## 12 - ECOLOGICAL INFORMATION

- 12.1 *Mobility:* *Air:* .....The product is non volatile.  
*Land:* .....The product is soluble in water and can be washed away by rain.  
*Water:* .....The product is soluble in water.
- 12.2 *Persistence and degradability:* The surfactant compounds in the formulation are biodegradable at more than 90%.DCO: 3.9 mg/2g
- 12.3 *Bioaccumulation:* Sodium hydroxide does not bioaccumulate.
- 12.4 *Ecotoxicity:* A pH greater than 10.5 can be fatal for fish and for other aquatic organisms. Can cause damage to aquatic plants and vegetation.  
CL 50 – 24 h daphnia : 150 mg/l (sodium hydroxide 100%)  
CL 50 – 24 h fish : 81.5 mg/l (sodium hydroxide 100%)
- 12.5 *Effect on treatment of effluents:* Concentrations sufficient to render effluents alkaline can cause damage to organisms used for treatment of effluents.

## 13 - ELIMINATION OF WASTE

- 13.1 *Elimination of product:* Conform to current legislation regarding disposal. Neutralise the chlorine using sodium hyposulphite, then neutralise the product to a pH between 5.5 and 8.5, with an acid, before disposal.
- 13.2 *Elimination of packaging:* Conform to current legislation. Rinse the packaging in water after use.

## 14 - INFORMATION RELATIVE TO TRANSPORTATION

- 14.1 *International regulation:* ONU N°: 1791

<b>Over land:</b>		<b>Maritime:</b>	<b>Air:</b>
<i>RTMDR:</i> Class: 8	<i>RID/ADR:</i> Class: 8	<i>IMDG:</i> Class 8	<i>OACI:</i> Class: 8
Label: 8	Label: 8	Group: package II	Group: package II
Enumerator: 42 <sup>0</sup> b	Enumerator: 42 <sup>0</sup> b	Label: corrosive / 8	Label: corrosive / 8
N° ID danger: 80	Danger code: 80		
N° ID substance: 1791	N° ID substance: 1791		
Old group: 82202			

## 15 - STATUTORY INFORMATION

- 15.1 *EEC Regulation:*  
In accordance with the modified order of the 21<sup>st</sup> Feb. 1990, concerning the labelling of dangerous preparations (DIR 88/379CEE)  
- *EEC Classification:* ... 215-185-5 (sodium hydroxide)  
- *Danger symbol:*..... C: Corrosive  
- *Risk clauses:*..... R 31: On contact with an acid, emits a toxic gas.  
R 35: Causes serious burns  
- *Cautionary advice:*..... S 26: In case of contact with eyes, wash immediately and thoroughly (15 minutes) with water and consult an ophthalmologist.  
S 28: On contact with skin, wash immediately and thoroughly with water.  
S 37/39: Wear appropriate gloves and protective apparatus for eyes and face.  
S 45: In case of accident or illness, consult a doctor immediately (if possible show the label)  
S 50: Do not mix with acids.
- 15.2 *Protection of workers:* *Illness of professional character:* Art. L 461-6 of the Code of Social Security. Agreement of 3 August 1963: Medical Declaration of these ailments.  
- *Work forbidden:* art. 234-20 and 21 of the Code of Work  
- *Ventilation and Cleaning of the workplace:* art 232-5 to 232-14 of the Code of Work. Agreements of 8 and 9 October 1987 relating to the control of installations.
- 15.3 *Environmental Protection:* Installations listed: law 76-663 of 19 July 1976.

## 16 - OTHER INFORMATION

This security data sheet conforms with the directive 91/155/EEC.

Application of the product (use): Detergent – alkaline disinfection for the food industry.

Product conforms to the legislation relating to cleaning products for material which can be used in contact with foodstuffs (modified order of 27-10-75). Recommendation of the commission of 13 September 1989 regarding the labelling of detergents and maintenance products (89/542/cee) :

- Chlorine bleaching agent : less than 5% active chlorine
- Phosphonates and anionic surfactants: less than 5%

Note: This sheet completes the technical notice for use but does not replace it. The information which it contains is based on the state of our knowledge relative to the product concerned on the issue date of this sheet. It is given in good faith. The attention of users is drawn to possible risks run when a product is used for other uses than those for which it has been conceived. In no cases does it exempt the user from knowing and applying all texts reglementing his activity. He must bear sole responsibility for the precautions tied to his use of this product. The statutory regulations mentioned are simply to help the user to fulfil the necessary obligations in using a dangerous product. This listing must not be considered exhaustive and does not exonerate the user from assuring that any other obligations are met, outside of those stated in this list concerning the possession and manipulation of the product for which he has sole responsibility.