

# SAFETY DATA SHEET

Review Date: 2014/07/02

ATTACK 252

Date of Print: 2014/07/07

This Safety Data Sheet follows the guidelines of ANSI Z400.1 and the format requirements of the Global Harmonizing System.

**PRODUCT NAME – ATTACK 252**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** ATTACK 252

**Supplier Name** CHEMICAL INDUSTRIES LTD.

**Address** Lot #3&4 Grantley Adams Industrial Park, Christ Church, Barbados

**Telephone No.** 1-246-428-1614

**Fax No.** 1-246-420-7088

**Email** sales@biosphereltd.com

**Use(s)** MULTI PUROPSE CLEANER AND DEGREASER

## 2. HAZARDS IDENTIFICATION

**Health hazardous:** Harmful if swallowed. Irritating to skin. Risk of serious damage to eyes.

### Labeling

#### Pictogram



Corrosive



Irritant

Dermal Sensitizer

Acute toxicity (harmful)

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content %
Sodium Metasilicate	6834-92-0	5 – 10
2-Butoxyethanol	111-76-2	5 – 10
Sodium Hydroxide	1310-73-2	1 – 5

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## 4. FIRST AID MEASURES

**EFFECTS OF OVEREXPOSURE:** Maybe harmful if swallowed, may cause eye irritation.

- EYES:** Hold eyelids apart and flush continuously with plenty of running water for 15 minutes. If irritation persists, call physician.
- SKIN:** Remove contaminated clothing and wash skin with soap and running water.
- INGESTION:** Do not induce vomiting. Drink a large quantity of water followed by a citrus drink or one ounce of vinegar in water. Follow by milk or olive oil.
- INHALATION:** Move to fresh air and treat based on judgment of physician in response to reaction of patient.
- NOTES TO PHYSICIAN:** Treat symptomatically

## 5. FIRE FIGHTING MEASURES

- Flammability:** Non-flammable. May evolve toxic gases if strongly heated.
- Fire and Explosion:** Non-flammable. No fire or explosion hazard exists.
- Extinguishing Media:** Water, CO<sub>2</sub> or any extinguishing media is suitable.

## 6. ACCIDENTAL RELEASE MEASURES

- Spillage:** If spilt (bulk), wear splash-proof goggles and PVC/rubber gloves. Absorb spill with sand or similar material and place in sealed containers for disposal. Wash spill site down with water. For small amounts, dilute with water and flush to sewer.
- Caution:** Surfaces may be slippery.

## 7. STORAGE AND HANDLING

- Storage:** Store in cool, dry, well ventilated area, removed from acids, and combustible materials. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Storage temperatures should be in the range of 20°C – 40°C.
- Handling:** Use safety glasses and rubber gloves. Good industrial and personal hygiene practice should be followed. No eating and drinking in the workplace. Ensure adequate ventilation.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- Exposure Standards:** No exposure standard(s) allocated.
- Biological Limits:** No danger in normal ambient conditions. There are no biological limiting values. User should determine the conditions for safe use of the product.
- Engineering Controls:** Ensure adequate natural ventilation.
- Personal Protective Equipment:** Wear splash-proof goggles and PVC or rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT, 760 MM HG (F):</b>	215°F	<b>pH (AS IS):</b>	<12.0
<b>SPECIFIC GRAVITY (H2O-1):</b>	1.04 – 1.055	<b>pH (10% SOLN):</b>	11.5 – 12.5
<b>VAPOR DENSITY (AIR-1):</b>	1.61	<b>VAPOR PRESSURE:</b>	19.7 mm Hg @ 20°C
<b>% VOLATILES BY VOL.:</b>	10.0%	<b>SOLUBILITY IN H2O:</b>	Complete
<b>APPEARANCE AND ODOR</b>	Clear colourless with butyl odor	<b>EVAPORATION RATE (WATER-1)</b>	1.0

## 10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under recommended conditions of storage.
- Conditions to Avoid:** Avoid heat, open flames and other ignition sources.
- Material to Avoid:** Compatible with most commonly used materials. Incompatible with strong oxidizing agents, acids (eg. Hydrochloric acid) and combustible/flammable materials.
- Decomposition:** May evolve toxic gases if heated to decomposition. E.g. Carbon dioxide, carbon monoxide, and sulfur dioxide.
- Hazardous Reactions:** Polymerization is not expected to occur.

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## 11. TOXICOLOGICAL INFORMATION

**Health Hazard:** Strong irritant - low toxicity. No adverse health effects are anticipated with normal use of this product.

**Eyes:** Irritant. Due to product form and nature of use, an eye hazard is not anticipated. However, direct contact will result in irritation, and conjunctivitis.

**Inhalation:** Due to the low vapour pressure of this product, an inhalation hazard is not anticipated with normal use.

**Skin:** Strong irritant. Prolonged or repeated contact may result in severe irritation.

**Ingestion:** Low toxicity. Ingestion of large quantities may result in nausea, vomiting and gastrointestinal irritation.

### Toxicity Data:

Under normal industrial conditions, there is no indication that the Product can be considered as a health risk. Skin contact should be avoided to prevent possible long-term or short-term sensitization.

Sodium hydroxide: Not established

2-Butoxyethanol 50ppm (mg/m<sup>3</sup>) TWA (skin)

## 12. ECOLOGICAL INFORMATION

**Environment:** This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities.

**Persistence/ Degradability:** This product is readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Triple rinse container and re-use where possible, alternately call Chemical Industries Ltd. for further information or dispose of waste according to applicable legislation.

## 14. TRANSPORT INFORMATION

### NOT CLASSIFIED AS A DANGEROUS GOODS

This product is not regulated for road/rail & sea transport.

UN # None allocated

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## 15. REGULATORY INFORMATION

None required when handling and storage information is followed.

### Safety advice

S23 Do not breathe gas/fumes/vapor/spray

S24 Avoid contact with skin

S62 If swallowed, do not induce vomiting: seek medical advice immediately.

## 16. OTHER INFORMATION

### Additional Information

#### ABBREVIATIONS:

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including:

Frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. However, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Chemical Industries Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages.

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