

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

Product Name: **Sodium Bicarbonate**
Supplier: **Akoma International (UK) LTD**
Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS
Tel: +44 (0) 1332 613 967
Emergency Contact: Mr. Wynn Mensah – Tel: 01332 613 967

2 - Composition and information on ingredients:

Substances:
Synonyms: Sodium hydrogen carbonate
Formula: CHNaO3
Molecular Weight: 84.01 g/mol
Component Concentration
Sodium hydrogencarbonate
CAS-No.: 144-55-8
EC No.: 205-633-8

3 - Hazards identification:

Classification of the substance/mixture: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements: The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards: None

4 - First aid measures:

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Eye contact: Flush eyes with water as a precaution.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects both acute and delayed: Exposure to large amounts can cause: Gastrointestinal disturbance. Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material.
Indication of immediate medical attention and special treatment needed: No data available.

5 - Fire - Fighting measures:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture: Carbon oxides, Sodium oxides.
Precautions for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.
Further information: The product itself does not burn.

6 - Accidental release measures:

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.
Environmental Precautions: Do not let product enter drains.
Methods of Cleaning Up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections: For disposal see section 13

7 - Handling and storage:

Precautions for safe handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage: Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.
Specific end uses: No data available.

8 - Exposure controls and personal protection:

Control parameters

Components with workplace: Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 - Physical data and chemical properties:

Please see separate specification sheet.

10 - Stability and Reactivity:

Reactivity:	No data available.
Chemical stability:	No data available
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Exposure to moisture.
Incompatible materials:	Strong acids, Strong oxidising agents.
Hazardous decomposition products:	Other decomposition products – No data available.

11 - Toxicological information:

Information on toxicological effects

Acute toxicity:	LD50 Oral – rat – 4,220 mg/kg.
Skin corrosion/irritation:	Skin – Human – Mild skin irritation – 3 d
Serious eye damage/eye irritation:	Eyes – rabbit – Mild eye irritation – 30 s
Respiratory or skin sensitisation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	No data available.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available.

Potential health effects:

Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.
Signs and Symptoms of Exposure: Exposure to large amounts can cause: Gastrointestinal disturbance. Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material.
Additional information: RTECS: VZ0950000

12 - Ecological information:

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
PBT and vPvB assessment: No data available.
Other adverse effects: No data available.

13 - Disposal considerations:

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product

14 - Transport information:

UN-Number ADR/RID: - IMDG: - IATA: -
ADR/RID: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.
Transport hazard class(es): ADR/RID: - IMDG: - IATA: -
Packaging group: ADR/RID: - IMDG: - IATA: -
Environmental hazards: ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for users: No data available

15 - Regulatory information:

Safety, health and environmental regulations/legislation specific for the substance or mixture: No data available.
Chemical Safety Assessment: No data available.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16 - Other information:

The information contained herein is accurate to the best of our knowledge.
No liability can be accepted, arising out of the use, application or processing of this material.
It is the users' responsibility to determine safe conditions for the use of this product.