



Material Safety Data Sheet

Date prepared: 6th January 2003

Date revised: 7th January 2008

1. Identification of the Preparation and the Company

Substance or preparation trade name: **BUT-ACID**
Unique reference numbers(s): A110
Company/undertaking name & address: **Kiotechagil**
Hercules 2, Calleva Park
Aldermaston, READING
RG7 8DN, England

Telephone: +44 118 9813333
Fax: +44 118 9810909
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+44 118 9474407

2. Composition

Substance: **Sodium n-butyrate**

% content: **32.5%**
CAS Number: **156-54-7**
Classification: **Xi; R36/37/38**
EINECS: **205-857-6**

3. Hazards Identification

Most important hazards: Xi Irritant
Specific hazards: R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin

4. First aid measures

Skin contact: S28 After contact with skin, wash immediately with plenty of soap and water
Eye contact: S26 In case of contact with eyes, rinse immediately with plenty of water
Ingestion: S64 If swallowed, rinse mouth with water (only if person is conscious)

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

5. Fire fighting measures

Non-flammable

6. Accidental release measures

Personal precautions: Wastes are not classified as hazardous
Environmental precautions: Wastes do not bioaccumulate

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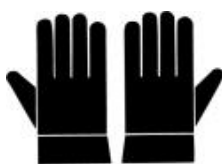
7. Handling and storage

Handling: Wear protective gloves, goggles and respirators to protect from skin and eye contact, and to prevent inhalation of fumes.

Storage: Store in clean dry conditions. Keep container closed and ensure label is intact and legible.

8. Exposure Controls

Engineering measures: N/A
Control Parameters: S2 Keep out of reach of children
Personal protection equipment:



Eye protection: S36 Wear suitable protective clothing
S39 Wear eye/face protection.
Hand protection: S37 Wear suitable (impervious) gloves.
Hygiene measures: S20/21 When using do not eat, drink or smoke

9. Physical and chemical properties

Appearance: White free flowing powder
Odour: Slight unpleasant odour
pH of 5% aqueous extract: ~ pH 8.0
Boiling point: N/A
Melting point: N/A
Flashpoint: N/A
Explosive properties: Non-explosive
Vapour pressure: N/A
Relative density: Loose powder – 625 kg/M³
Solubility: Carrier insoluble in water

10. Stability and reactivity

Conditions to avoid: None documented
Materials to avoid: Strong acids

11. Toxicological information

Practically non-toxic.

Excessive exposure may affect human health as follows:

Skin contact: R38 Irritating to the skin
Eye contact: R36 Irritating to eyes
Inhalation: R37 Irritating to respiratory system

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12. Ecological information

Wastes are not classified as hazardous to the environment, and do not bioaccumulate.

13 Disposal Considerations

Disposal must be in accordance with local and national legislation.

Dispose of through an authorised waste contractor to a licensed site.

Provided care is taken to inhibit airborne dust, normal factory disposal procedures may be employed using skips and tips, then landfill. Spillages may be swept up and then hosed away without additional hazard other than slipperiness caused by wetting.

14. Transport information

No special precautions are necessary. In case of spillages mark roads and warn other road users. Keep public away from the immediate area. Keep upwind to avoid inhaling fumes or dust particles. Sweep up keeping airborne dust to a minimum. Flush road with water. If material has entered a watercourse or sewer or contaminated soil or vegetation, advise appropriate authorities - e.g. police

15. Regulatory information

LABEL FOR SUPPLY:



RISK PHRASES:

R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin

SAFETY PHRASES:

S1/2 Keep locked up and out of reach of children
S23 Do not breathe fumes
S26 In case of contact with eyes, rinse immediately with plenty of water
S28 After contact with skin, wash immediately with plenty of soap and water
S36 Wear suitable protective clothing
S39 Wear eye/face protection
S37 Wear suitable gloves
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

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S64 If swallowed, rinse mouth with water (only if person is conscious)

STATUTORY INSTRUMENTS: Health and Safety at Work Act 1974.

Chemicals (Hazard Information and Packaging for supply) Regulations 1994.

Control of Substances Hazardous to Health Regs 1988 (Si 1657).

Environmental Protection Act 1990.

CODES OF PRACTICE: Waste management: The duty of care.

GUIDANCE NOTES: Health and Safety Executive:-

Occupational exposure limits (EH 40/94)
Classification, Packaging and Labelling of Dangerous Substances Regulations 1984

16. Other Information

Recommendations/restrictions: It is important to follow the inclusion instructions detailed in the Product Data Sheet. Do not use the product for any other application without obtaining advice from Kiotechagil beforehand.

If this product is for resale, ensure that the purchaser receives a copy of this information.

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

Sources of key data: National Chemical Emergency Centre (website)

The Physical and Theoretical Chemistry Laboratory Oxford University (website)