

Date prepared: 21<sup>st</sup> February 2003

Date revised: 7<sup>th</sup> January 2008

## 1. Identification of the Preparation and the Company

Substance or preparation trade name: **BACT-A-CID**  
 Unique reference numbers(s): A113  
 Company/undertaking name & address: **Kiotechagil**  
 Hercules 2, Calleva Park  
 Aldermaston, READING  
 RG7 8DN, England

Telephone: +44 118 9813333  
 Fax: +44 118 9810909  
 Emergency telephone number: +44 1488 608178  
 +44 118 9474407

## 2. Composition

Substance:	<i>Propionic acid</i>	<i>Ammonium formate</i>	<i>Formic acid</i>
% content:	<25%	<25%	<10%
CAS Number:	<b>79-09-4</b>	<b>540-69-2</b>	<b>64-18-6</b>
Classification:	<b><i>Xi R36/37/38</i></b>	<b><i>Xi R36/38</i></b>	<b><i>Xi R36/38</i></b>
EINECS:	<b>201-176-3</b>	<b>208-753-9</b>	<b>200-579-1</b>

Carrier: Mixed silicate

## 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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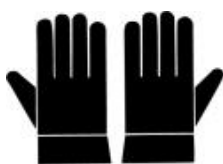
## 7. Handling and storage

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: S1/2 Keep locked up and out of reach of children  
Personal protection equipment:



Eye protection: S22 Do not breathe dust  
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: Brown, granular  
Odour: Acrid smell  
pH of 5% aqueous extract: ~ pH 3.8 – 4.2  
Boiling point: N/A  
Melting point: N/A  
Flashpoint: N/A  
Explosive properties: Non-explosive  
Vapour pressure: N/A  
Relative density: Loose powder – 580 kg/M<sup>3</sup>  
Packed powder – 686 kg/M<sup>3</sup>  
Solubility: Carrier is insoluble in water

## 10. Stability and reactivity

Conditions to avoid: Protect from extremes of temperature  
Materials to avoid: Reacts with bases

## 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

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S37 Wear suitable gloves  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)  
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)