

PRODUCT INFORMATION SHEET

Product and Reference: Sodium BiCarbonate

Date of Issue: 07/06/2011

1. Identification of the Preparation and Company

Company: Key Abrasives Ltd

Product Code: BiCarb

Intended Use: Abrasive and absorbant

Name and full address: Key Abrasives Ltd, Wenric House, Orchard Croft, Bawtry, Doncaster, DN10 6SL

Telephone Number: 01302 714517

Emergency Phone Number: 07831 368273

2. Composition/Information on Ingredients

Sodium Bicarbonate

CAS Number : 144 – 55 -8

EINECS Number : 205 – 633 -8

3. HAZARD IDENTIFICATION

A substance of low toxicity widely used in food and medicine.

Treat as low toxicity dust

No significant health or environmental hazards associated with the material

4. FIRST AID MEASURES

Inhalation

- Remove to fresh air

Skin Contact

- Wash skin with plenty of water
- If irritation occurs and persists seek medical advice

Eye Contact

- Irrigate eye thoroughly with eye wash solution or clean water for at least 10 minutes.
- Eyelids should be held away from the eyeball to ensure thorough rinsing.
- Obtain medical attention if necessary.

Ingestion

- DO NOT induce vomiting
- Wash out mouth with water and give plenty of water to drink (at least 300 ml.)
- Obtain medical advice if necessary.

5. **FIRE FIGHTING MEASURES**

Flash Point

- Non-combustible

Extinguishing Media

- All extinguishing products are allowed

Special Hazards

- Non-combustible

Hazardous Decomposition Products (under fire conditions)

- Not applicable

6. **ACCIDENTAL RELEASE MEASURES**

Personal Precautions

- See personal protection measures given in Section 8

Environmental Precautions

- Prevent discharges into the environment (rivers, water courses, sewers etc.)
- See Section 13 for disposal details

Methods for clean up

- Clear up spillages by suitable means, avoiding dust formation
- Collect as much as possible in a suitable clean container, preferably for re-use, otherwise for disposal.
- Wash the spillage area with large quantities of water.

7. HANDLING AND STORAGE

Handling

- Atmospheric levels should be controlled in compliance with the occupational exposure limit.
- Skin protection should be worn for regular and continuous use.

Storage

- Store in a cool dry place (in humid conditions the product will absorb moisture from the atmosphere and this will eventually cause caking and loss of free flowing properties)
- Do not store adjacent to acids

Fire and Explosion Prevention

- Non-combustible

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

- Provide adequate ventilation
- In the case of insufficient ventilation, wear suitable respiratory equipment

Occupational Exposure Standards

- Not listed by H&SE (Guidance Note EH40) or ACGIH (Ref.UK EH40 – Limits for Nuisance Dust)
- Recommended Limits: OES 10mg/m³ (total dust) (8hr TWA) 5mg/m³ (respirable dust) (8hr TWA)

Respiratory Protection

- In the case of high dust levels wear suitable respiratory protective equipment, ie.dust mask or respirator

Hand Protection

- Wear suitable chemical resistant protective gloves for frequent or prolonged operations

Eye Protection

- Suitable eye/face protection

Skin and Body Protection

- Protective clothing is required, overalls as a minimum

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Crystalline powder	Oxidising properties	None known
Colour	White	Vapour Pressure	Not applicable
Odour	Odourless	Specific Gravity	2.22
Melting Point	Decomposes	Bulk Density	980 kg/m³
Flash Point	Not applicable	Solubility in water	9.5% w/w @ 2 5°C
Flammability	Non flammable	Solubility in other solvents	Not available
Auto ignition temp. solution)	Not applicable	pH value	8.3 (1% w/w
Explosive properties	None known	Partition Coefficient (n-octanol/water)	Not applicable
Explosion Limits	Not applicable	Relative vapour density (air = 1)	Not applicable

10. STABILITY AND REACTIVITY

Stability

- Stable under recommended storage and handling conditions (see Section 7)

Conditions to avoid

- Contact with acids unless under controlled conditions
- Heating the product above 60° c.
- Humidity and moisture can cause caking of product

Materials to avoid

- Acids

Hazardous decomposition products

- Not applicable

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

- Oral LD 50, rat : 4220 mg/kg.
- Inhalation : Dust may cause discomfort

Eye Irritation

- Dust may cause discomfort

Skin Irritation

- No known effects

Long Term Exposure

- No known effects

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

- Fish, *Lepomis macrochirus* : **96hr-LC50 : 8600mg/l**
- *Daphnia* sp. : **48hr-LC50 : 2350mg/l**

Bio-degradability

- Aerobic/Anaerobic degradation **Not applicable (inorganic compound)**

13. DISPOSAL CONSIDERATIONS

Product

- Must be disposed in accordance with local, state or national regulations
- Do not dispose of directly with acids
- Dissolve in water and neutralise with an acid

Packaging

- Must be disposed in accordance with local, state or national regulations
- Contact the manufacturer about recycling

14. TRANSPORT INFORMATION

- Not classified as hazardous for transport

- Land Transport

ADR Class **Not restricted** ADR item number **Not relevant**

RID Class **Not restricted** RID item number **Not relevant**

TREM-card **Not relevant** UN Number **None**

Hazard identification number **None** Substance identification number **None**

Proper shipping name **None**

- Sea Transport

IMO/IMDG **Not regulated** Class **Not relevant**

Packing group **None** UN number **None**

EMS **Not relevant** MFAG **Not relevant**

Marine pollutant **No** Proper shipping name **Not relevant**

- Air Transport

ICAO-TI/IATA-DGR Class **Not regulated** UN number **None**

Proper shipping name **None** Packing number **None**

15. REGULATORY INFORMATION

Not classified as dangerous for supply or conveyance

- Meets the requirements of CHIP

National Legislation/Regulations

- Water Hazard Class : **WGK 1, VwVwS (Germany) of 17.05.1999, Annex 2**
- TSCA Inventory : **Listed**

16. **OTHER INFORMATION**

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications, and we do not accept any liability for any loss or damage, however arising, which may result directly or indirectly from the use of this information.

Further information and relevant advice can be found in: The Control of Substances Hazardous to Health Regulations 1988 (SI 1988. 1657).
The Manual Handling Operations Regulations 1992 (SI 1992:2793)
The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992-2839).