SAFETY DATA SHEET
AMMONIUM BICARBONATE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: AMMONIUM BICARBONATE
PART No.: RM012
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No. 213-911-5
CAS No.: 1066-33-7

3. HAZARDS IDENTIFICATION:

Not regarded as a health or environmental hazard under current legislation.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Remove affected person from exposure, rest and keep warm. If recovery not rapid or complete seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.

EYES: Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use extinguishing media suitable against surrounding fire or the cause of fire.
HAZARDOUS COMBUSTION PRODUCTS:
Noxious or toxic vapours may be released in fire situation. (oxides of carbon, ammonia).

PROTECTIVE MEASURES IN FIRE:
Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:
Avoid breathing dust.

PRECAUTIONS TO PROTECT ENVIRONMENT:
Prevent contamination of soil, drains and surface water.

SPILL CLEANUP METHODS:
Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:
The product should be used in accordance with good industrial safety practice and hygiene principles for handling and storing of chemicals.
Ensure good ventilation and local exhaust extraction in work place. Avoid creating or raising dust.

STORAGE PRECAUTIONS:
Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS:
No specific OES assigned, however for dusts of any kind, ensure LTEL (8-hour TWA ref. period) level does not exceed 10 mg.m³ for total inhalable dust or 4 mg.m³ for respirable dust (or) as recommended in current edition of EH40.

VENTILATION:
Provide adequate general and local exhaust ventilation.

RESPIRATORS:
If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.

PROTECTIVE GLOVES:
Use protective gloves.

EYE PROTECTION:
Use eye protection.

OTHER PROTECTION:
Wear personal protective equipment appropriate to the quantity of material handled.

HYGIENIC WORK PRACTICES:
SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:
White crystalline powder or granules.

ODOUR/TASTE:
Ammoniacal odour. (faint).

DENSITY/SPECIFIC GRAVITY (g/ml):
ca 0.9

pH-VALUE, DILUTED SOLUTION:
7.6

Temperature (°C):

Concentration % M:
10% (aqueous solution)
**SOLUBILITY VALUE (g/100g H₂O 20°C):** 18

**10. STABILITY AND REACTIVITY:**

**STABILITY:** Stable under normal conditions of use. Slowly decomposes on exposure to air to ammonium hydrogen carbonate.

**CONDITIONS TO AVOID:** Avoid excessive heat.

**MATERIALS TO AVOID:** Acids, alkalis, nitrates.

**HAZARDOUS DECOMP. PRODUCTS:** Thermal decomposition or burning may release oxides of carbon and other hazardous gases or vapours. (ammonia).

**11. TOXICOLOGICAL INFORMATION:**

**HEALTH HAZARDS, GENERAL:** May cause transient respiratory tract irritation at high exposures. May cause mild transient irritation to skin or eyes.

**12. ECOLOGICAL INFORMATION:**

**ECOLOGICAL INFORMATION:** Discharge to aquatic environments should be avoided as it may lead to localised adverse effects.

**MOBILITY:** Soluble in water.

**BIO ACCUMULATION:** Not expected to bio-accumulate.

**DEGRADABILITY:** Readily biodegradable.

**13. DISPOSAL CONSIDERATIONS:**

**DISPOSAL METHODS:** Via authorised/licenced waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

**14. TRANSPORT INFORMATION:**

**GENERAL:** Not classified as hazardous for transport.

**15. REGULATORY INFORMATION:**

**UK REGULATORY REFERENCES:** This product is not classed as dangerous substance under the classification, packaging and labelling of dangerous substances regulations.
16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 019

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JML's knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.