

GUIDANCE ON SAFE USE
KARBAMID (UREA) AND MIKRAMID PRODUCTS

NAMES OF PRODUCTS: KARBAMID (UREA); KARBAMID, INDUSTRIAL; MIKRAMID

MAIN INGREDIENT:	Name	CAS number	EC number	Registration number
	urea	57-13-6	200-315-5	01-2119463277-33-0081

PRODUCER: NITROGÉN MŰVEK ZRT.
Address: 8105 Pétfürdő, Hősök tere 14.; Pb.: 450
Telephone: +36-88-620-100
Fax: +36-88-620-102
E-mail: sds@nitrogen.hu

HAZARD IDENTIFICATION

The product is not classified according to Regulation 1272/2008/EC.

Health hazards: Product may cause some irritation of skin, eyes or respiratory system on prolonged or repeated contact. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing ammonia and carbon dioxide.

Environmental hazards: Heavy spillage may cause adverse environmental impact such as eutrophication in confined surface waters or nitrate contamination.

FIRST AID MEASURES

Obtain medical attention if effects persist.

Inhalation: Remove from source of exposure to dusts. Keep rest.

Skin contact: Wash the affected area with soap and water.

Eye contact: Flush/irrigate eyes with copious amounts of water for at least 10 minutes.

Ingestion: Rinse mouth and then give water to drink, if patient conscious. Do not induce vomiting. Keep rest.

FIRE-FIGHTING MEASURES

Product is not combustible. All extinguishing agents allowed. Avoid breathing the fumes (toxic); stand up-wind of the fire. Special protective equipment for fire-fighters: Use a self-contained breathing apparatus if fumes are being entered. Open doors and windows of the store to give maximum ventilation.

ACCIDENTAL RELEASE MEASUREMENTS

Avoid breathing of dust. Take care to avoid large quantities get into watercourses and drains and inform the appropriate authority in case of accidental contamination of watercourses. Any spillage of fertilizer should be cleaned up promptly, swept up and placed in a clean, labelled, open container for recycle, reuse, or disposal.

HANDLING AND STORAGE

Avoid excessive generation and breathing of dust. Avoid eyes contaminated with the product. When handling the product over long periods use appropriate personal protective equipment, e.g. gloves.

Keep at least 1m distance around the stacks of bagged products and stack big-bags or palletised bags not more than two tiers high. Any building used for the storage should be dry and well ventilated. Ensure high standard of housekeeping in the storage area. Locate away from the source of heat or fire. Do not allow smoking and using naked flame.

Materials to avoid

Avoid mixing solid urea with solid ammonium nitrate based products, as they can produce slurry. Avoid contaminating with strong oxidizers, acids, nitrates, nitrites, sodium or calcium hypochlorite.

Conditions to avoid

Heating above 130°C (melt and decompose to gases). Closeness to sources of heat or fire. Unnecessary exposure to the atmosphere.

Exposure controls

Avoid high dust concentration and provide ventilation where necessary. Wear normal working clothes. When handling the product do not eat, drink or smoke. Wash hands after handling and before eating, smoking and using the lavatory and at the end of the working period.

If high dust concentration is high and/or ventilation is inadequate, use suitable dust mask or respirator with an appropriate filter (EN 143, 149, filters P2, P3). Wear working clothes and suitable gloves (e.g. plastic, rubber or leather) when handling the product over long periods, and if necessary safety glasses with side shields (EN 166) to avoid eye irritation.

TRANSPORT INFORMATION

Not classified as dangerous goods

DISPOSAL CONSIDERATION

Depending on degree and nature of contamination dispose of by use as fertilizer on farm, as raw material for liquid fertilizer, or to an authorized waste facility (EWC 06 03 14). Do not empty into drains and watercourses. Empty the bag by shaking or with water to remove as much as possible of its contents. Empty bags may be disposed of as non-hazardous waste or returned for recycling.