

MATERIAL SAFETY DATA SHEET

Product Identification

Trade Name: Keeper

Product Name :Carbofuran 3% Granule

Hazardous Components and Contaminants

Carbofuran	3%
Manufacturing impurities	2%

Typical Physical and Chemical Properties

Appearance	: Granule
Odor	: Weak characteristic odor
Solubility in water	: Insoluble

Health Effects and Toxicity Data

Toxicological Data of active ingredient:

Oral LD₅₀ (rat) : 13mg/kg
Dermal LD₅₀ (rabbit) : >1000mg/kg
Inhalation LC₅₀ (guinea pig) : 0.043-0.053mg/l

Oral toxicity:

Moderately toxic

Dermal toxicity:

Non-toxic

Inhalation toxicity:

Toxic effect is not likely (Fine powder may cause irritation)

Skin irritation:

Mild- irritant

Eye irritation:

Mild-irritant

First Aid Procedure

Eye contact:

Flush eyes with large amount of water until irritation subside. If irritation persists, get medical attention.

Skin contact:

Flush with large amount of water; use soap or detergent if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

Inhalation:

Wearing proper respiratory protection before rescues. Immediately remove the affected victim from exposure to an area of fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Ingestion:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention

Fire and Explosion Hazard

Fire and explosion hazard:

Low hazard,

Firefighting media:

Foam, dry chemical or water spray to extinguish fire

Firefighting precaution:

Prevent contaminated liquid from entering sewers, watercourses, or low area.

Reactivity

Chemical Stability:

Combustion can generate toxic substance

Reactivity:

This product should not occur any hazardous polymerization

Incompatibilities:

Avoid mixing with strong acid, strong base and strong oxidizing agent.

Decomposition:

No unusual

Polymerization:

Not happen

Spill and Leak Control Procedure

Prevent additional discharge of material, if possible to do so without hazard. Prevent liquid from entering sewers, watercourse or low area. For spills in public area, keep public away and advise local authorities.

Control procedure:

- Contain spilled liquid with sand or earth
- Recover by pumping or with a suitable absorbent.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Protective Equipment

For open system where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. NIOSH/MSHA approved or equivalent respirators may be necessary to prevent overexposure by inhalation. The use of local exhaust ventilation is recommended to control process emission near the source.

Storage and Transportation

Storage:

- Store away from food and feed stock
- Ambient temperature
- Atmospheric pressure

Transportation:

N.A.