

Reanal Finechemical Co.

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1. Identification of the substance and the company

Product name: **Redentin® 75**

CAS-No:

EU-No:

REANAL Product Number: **27603**Company identification: **REANAL Finechemical Co.**

Address: HUNGARY, H-1147 Budapest, Telepes u. 53.

Tel.: (36-1) 467-7500

Fax.: (36-1) 252-1339

2. Composition / Information on ingredients

Molecular formula: **N/A**Relative molecular weight: **N/A**Active ingredient: **Chlorophacinone**

Composition:

Chlorophacinone, on broken corn 3691-35-8 0.0075%

3. Hazard statements

Hazard symbols and-signs:

Xn



Harmful

N



Dangerous for the environment

Risk phrases:

21/22 Harmful in contact with skin and if swallowed.

33 Danger of cumulative effects.

48/21/22 Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

General:

Remove provided person from the exposed area immediately, if necessary make lay him/her comfortable and loosen tight clothing. Cover up injured person, do not allow to cool. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician! Antidote of the active agent is K₁ vitamine (available as intravenous injection or chewing tablets with phytomenadionum active agent). Wash contaminated clothing before reuse.

After swallowing:

If swallowed, wash out mouth with water provided person is conscious.

After inhalation:

Remove to fresh air.

After eye contact:

In case of contact immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelid with fingers.

After skin contact:

In case of skin contact, immediately wash skin soap and copious amounts of water.

5. Fire fighting measures

Combustible. Use water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam extinguisher. Emits toxic fumes under fire conditions. Use water spray to cool containers under fire conditions. Use extinguishing media appropriate to surrounding fire conditions.

6. Accidental release measures

Close contaminated area. Do not allow contamination to get to drain. Only authorised person can order the decontamination. Wear self-contaminated breathing apparatus, chemical safety goggles, rubber boots and heavy rubber gloves according to degree of contamination. Sweep up, place in container and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Containers out of use keep closed. Store in labelled container, in a cool, dry place.

Storage temperature: 15-25 °C

8. Exposure controls / Personal protection

Exposure controls:

Avoid contact with eyes, skin and clothing. Do not breathe dust. When working do not eat or smoke. Take care of bathing facilities with warm water after work.

Personal protective equipment:

Protective clothing.

Eye protect:

Chemical safety goggles.

Hand protect:

Chemical-resistant rubber gloves.

Respiration protection:

Face-mask respirator is required when dusts are generated.

Specific control parameters

MAK (mg/m³):

9. Physical and chemical properties

Appearance: **deep red oily granules**
Bulk density [kg/m³]: **750**

10. Stability and reactivity

Decomposition products:

Thermic decomposition may produce toxic fumes of chlorine compounds.

11. Toxicological information

Acute toxicity:

Harmful if swallowed or absorbed through skin. Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed. Danger of cumulative effects. May cause bleeding, causes haemorrhage. Material may be extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Chronic effects: Possible risk of congenital malformation in the fetus.

Toxicity data:

ORL-RAT LD₅₀ (male rat): 118522 mg/kg

ORL-RAT LD₅₀ (female rat): 114499 mg/kg

Acut dermation LD₅₀ (rat): >10500 mg/kg

Skin irritation (rabbit): moderately irritative (chlorophacinone)

Eye irritation (rabbit): slightly irritative (chlorophacinone)

12. Ecological information

Chlorophacinone degraded in soil to 32% in 12 weeks.

Futher ecological data:

Aquatic organisms:

LC₅₀ (carp, pike, other herbivorous freshwater fishes): >500 mg/lit

LC₅₀ Daphnia Magna: >1500 mg/lit

EC₅₀ growth inhibition of green algae: 289 mg/lit

Harmful to aquatic organisms. Required safety distance from surface waters: minimum 200 m.

Danger to bees:

Negligible risk to bees.

Danger to birds and wild animals:

Negligibly dangerous to birds, moderately dangerous to other vertebrates.

13. Disposal information

Dispose of in a pesticide approved incinerator for chemicals equipped with an afterburner and scrubber for emission in accordance with national and regional regulations.

Chemicals must be disposed of in compliance with the respective national regulations.

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14. Transport information

IMDG: 9/III.

IATA: 9/III.

CAO: 914

PAX: 914

UN: 3077

15. Regulatory information

Hazard signs:

Xn Harmful**N** Dangerous for the environment

Risk phrases:

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Safety phrases:

1 Keep locked up.

2 Keep out of reach of children.

13 Keep away from food, drink and animal feeding stuffs.

36/37 Wear suitable protective clothing and gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SP1 Do not pollute waters with pesticide and its packing material!

SPr2 The treated area must be marked during the treatment period with special markers!

SPr3 Dead rodents must be removed daily from the treated area during the treatment period!

Labelling according to EC Directives.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Reanal shall not be held liable for any damage resulting from handling or from contact.