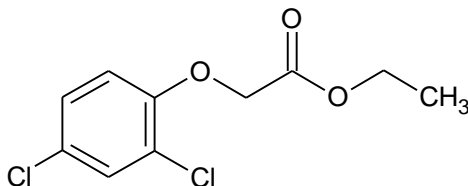


Synonyms

2,4-D-ethyl ester 38% EC;
2,4-Dichlorophenoxy acetic acid ethyl ester;
Ethyl (2,4-dichlorophenoxy)acetate

Chemical structure and identity



Molecular formula	C ₁₀ H ₁₀ Cl ₂ O ₃
Molecular weight	249
CAS number	533-23-3
PRD number	AG409120
EINECS No	208-538-9

Specifications

Appearance	Amber to brown coloured liquid
2,4-D-ethyl ester content	38% minimum
Total extractable 2,4-D acid content	34% minimum
Free acidity as 2,4-D acid	4% Maximum
Emulsion stability	Comply
Cold test	Comply

Physical properties

Density	1.01 to 1.05 g/ml
Solubility in water	Forms emulsion
Flash point	More than 24.5°C

Description

RUGO is an amber to brown coloured liquid free from extraneous matter.

Applications

RUGO is a selective and systemic post-emergence herbicide readily absorbed by leaves. The product is used to control annual and perennial broad-leaved weeds in a range of crops.

Packaging

RUGO is available in 250 ml to 5 L pet | aluminum bottles and 200 L HDPE drums. Other packaging can be considered on request.

Storage and handling

Keep containers tightly closed and store in a cool, dry and well-ventilated area. Protect the containers against physical damage. Control vapour or mist formation. Avoid contact with eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

Safety

Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Always refer to the SDS for detailed information on safety.

First aid

Eye contact: Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.

Skin contact: Wash the affected area thoroughly with soap and water. Remove clothing contaminated by the product. Consult a physician immediately.

Ingestion: Avoid ingestion as the product is harmful. Induce vomiting by giving a tablespoon of salt dissolved in a glass of warm water and repeat until vomit fluid is clear. Consult a physician immediately.

Inhalation: Avoid inhalation as the product is harmful. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.

Spills and disposal

In case of spillage and | or leakage, absorb the spilled material carefully with suitable liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust). Prevent generation of vapour or mist. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents | container(s) in accordance with local, regional, national or international regulations | guidelines as applicable.

Contact

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Website: www.atul.co.in

Note

RUGO® is a registered trade mark for 2,4-D-ethyl ester 38% EC which belongs to Atul Ltd.