4,5-dichloro-2-n-octyl-4-isothiazolin-3-on; 4,5-dichloro-2-n-octyl-3(2H)-isothiazolone @4,5-dichloro-2-octyl-2H-isothiazol-3-one

IDENTIFICATION NUMBERS

- **CAS:** 64359-81-5
- **EC/EINECS:** 264-843-8

MORE INFORMATION

- **Molecular Formula:** C11H17Cl2NOS
- **Synonyms:** 4,5-DICLORO-2-N-OCTIL-4-ISOTIAZOLIN-3-ON, 4,5-DICLORO-2-N-OCTIL-3(2H)-ISOTIAZOLONA, DCOI

USES

biocide, antifouling, microbiocidal

⚠ **Black list — Substances particularly hazardous to the environment or health**

CLASSIFICATION AND LABELLING (Regulation 1272/2008)

Symbols



GHS05

Corrosive to metals



GHS06

Acute toxicity (oral, dermal, inhalation)



GHS09

Hazardous to the aquatic environment

H Phrases

H330 : Fatal if inhaled

Acute Tox. (Cat. 2) : Acute toxicity

H302 : Harmful if swallowed

Acute Tox. (Cat. 4) : Acute toxicity

H314 : Causes severe skin burns and eye damage

Skin Corr. (Cat. 1) : Skin corrosion/irritation

H318 : Causes serious eye damage

Eye Dam. (Cat. 1) : Serious eye damage/eye irritation

H317 : May cause an allergic skin reaction

Skin Sens. (Cat. 1A) : Respiratory/skin sensitization

H400 : Very toxic to aquatic life

Acuático agudo, 1

H410 : Very toxic to aquatic life with long lasting effects

Acuático crónico, 1

EUH071

Labelling

Concentration	Labelling
ATE= 0,16 mg/L	Inhalation (dusts or mists)
ATE= 567 mg/kg bw	Oral
0,025%≤ C<5%	Skin Irrit.2; H315
0,025%≤ C<3%	Eye Irrit. 2; H319
C ≥ 0,0015%	Skin Sens. 1A; H317
M= 100	
M= 100'	

Specific health risks

Sensitisers

Substances with skin or respiratory sensitisation potential

Specific environmental risks

Hazardous water substances (Germany)

Substances classified with chronic aquatic toxicity under the CLP Regulation (H410–H413 phrases, Aquatic Chronic categories 1 to 4). They pose a long-term hazard to aquatic organisms, even at low concentrations and through prolonged exposure.

MMA CLASSIFICATION

3

Restriction/prohibition regulations

Banned biocides

Active substances whose approval for biocidal use has been denied or not renewed under Regulation (EU) No 528/2012 on biocidal products. They may not be placed on the market or used as active substances in biocidal products in the European Union.

SOURCE

Decisión 2008/809/CE

EXEMPTIONS

2009/10/25

Substances under PACT evaluation

Substances under active regulatory monitoring through ECHA's PACT (Public Activities Coordination Tool). Allows tracking which regulatory authorities are examining a substance and what potential regulatory actions are being considered (restriction, SVHC identification, harmonised classification, etc.).