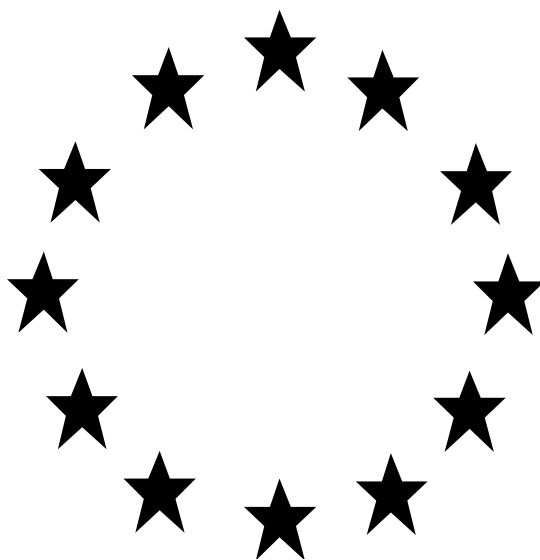




Draft Assessment Report (DAR)

- public version -

**Initial risk assessment provided by the rapporteur Member State
Portugal for the existing active substance**

CALCIUM CARBIDE

**of the fourth stage of the review programme
referred to in Article 8(2) of Council Directive 91/414/EEC**

Volume 3, Annex B, part 3, B.7

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B.7 Residue data

Calcium carbide (PRONTOX Wühlmausgas) is not intended for direct application to growing crops and no residues in plants or plant food stuffs are to be expected. It does not enter the human food chain.

PRONTOX Wühlmausgas is used as a repellent after introduction of the compound in the corridors of burrows. The decomposition will take place rapidly in the humidified atmosphere of the soil; the repellent action of mole and vole is the result of the developing odour.

A complete mineralization of the technical product calcium carbide occurs within 4-5 days. The metabolites of PRONTOX Wühlmausgas are acetylene, and calcium hydroxide, respectively. Hereafter calcium hydroxide reacts with carbon dioxide to calcium bicarbonate, and calcium carbonate, respectively.

Free carbon, aluminium oxide, iron oxide as well as silicon dioxide and silicon carbide, contained as impurities, are stable in the soil and have no toxicological or ecotoxicological activities.

Phosphine evolved in minor quantities is oxidized to phosphoric acids and phosphates.

Because of the underground application there is no contact with surface plant components.

Regarding absorption of acetylene and phosphine through the root, it is assumed that the majority disappears through diffusion, as has been demonstrated in practice during food protection fumigation. The calcium and phosphate residues are identical to soil constituents and act as fertilizer.

The submission of maximum residue limits (MRL) are not considered to be required, since residues of PRONTOX Wühlmausgas in plants following the use of such products are not to be expected for the reasons mentioned above.

B.7.17 References relied on

OECD data point/ reference number	Author(s)	Year	Title Source (where different from company) Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection claimed Y/N	Owner
Annex point / reference number	Author(s)	Year	Title Source (where different from company) Company, Report No GLP or GEP status (where relevant), Published or not	Data Protection claimed Y/N	Owner

Annex IIA

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Annex IIIA

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WARNING: This document forms part of an EC evaluation data package and should not be read in isolation. Remission must be granted on the basis of this document.