

GENAPOL X 060

Technical Data Sheet

GENAPOL X 060

Emulsifier and wetting agent for crop protection formulations

Chemical name	Isotridecyl polyethylene glycol ether with 6 moles ethylene oxide
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Product properties ¹

Appearance (20°C)	liquid
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Chemical and physical data

Active content	approx. 100 %
Viscosity (T °C)	approx. 18 mPa·s (at 50°C)
Melting point	about 5 °C
Flash point	about 170 °C
Water content	max. 0.5%
pH value	about 7 (5% in ethanol/water 1:1)
HLB	approx. 11

Profile

Genapol X 060 is a nonionic, NPE-free emulsifier, wetting agent and adjuvant. Genapol X 060 is used in crop protection applications. Genapol X 060 shows excellent wetting and emulsification characteristics with low-foaming for many solvents typically used in agrochemical formulations.

Publisher
Rothausstrasse 61
4132 Muttenz
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¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.

Application

Genapol X 060 could be used in the following crop protection formulation types: Emulsifiable Concentrate [EC], Emulsion in Water [EW], Suspoemulsion [SE], Suspension Concentrate [SC] and Oil Dispersion [OD].

The product is often used as wetting agent or co-emulsifier in combination with anionic emulsifier components such as calcium phenylsulfonates and other nonionic emulsifiers as EO-PO block copolymers (Emulsogen 3510, Emulsogen EP 4901, Synergen 848) and Emulsogen TS types.

As emulsifiers and wetting agents, typical use rates are around 1 to 15% with respect to the oil phase. Mixing with other emulsifiers might allow to reduce the use level and increase emulsion stability.

Registration Status

Genapol X 060 is exempted from tolerance under EPA regulation 40 CFR § 180.910/930.

For an updated registration status, please get in contact with Clariant.

Storage and Handling

Genapol X 060 can be stored in the original containers tightly closed in a cool, well-ventilated place. In case of using only part of the container, homogenise the content before product withdrawal. The properties of Genapol X 060 are reversibly altered by exposure to cold. If the product thickens or freezes through exposure to cold, thaw slowly at room temperature and afterwards stir briefly.

Shelf Life

The shelf life is at least two years when stored in tightly closed containers at 20 - 25°C in a clean and aerated place. After this period the product should be analysed for extension of the shelf life.

Safety

Further information on handling, storage and dispatch is given in the material safety data sheet.

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