



1	TRADE NAME	K-Obiol EC25
2	ACTIVE INGREDIENT	Deltamethrin 2.7%, Piperonyl butoxide 23.9%, solvent naphtha >25%
3	PURPOSE	Liquid grain protectant for the control of stored product pests.
4	APPEARANCE	Clear yellow liquid supplied in 1l bottle
5	CLASSIFICATION	 <p>Very toxic to aquatic life with long lasting effects. Harmful if inhaled. May be fatal if swallowed and enters airways. Flammable liquid and vapour. May cause drowsiness or dizziness. Causes serious eye damage.</p>
6	HANDLING /USAGE	Operator must have completed agricultural pesticide application modules PA1 and PA6 before use. Product may be used as a direct admixture to grain or for treatment of cleaned stores and applied 3 weeks before filling. Do not breathe spray. Avoid all contact by mouth. When using do not eat, drink or smoke. Wash hands and exposed skin before meals and after use. Keep away from food, drink and animal feedstuffs.
7	MIXING	As an admixture mix 1 part product with 99 parts water to create solution. 1l of solution treats 1 tonne of grain. For treatment of grain stores with porous surfaces add 25ml of product to 5l of water to treat 50 sq metres of surface. For non porous surfaces add 50ml of product to 5l of water to treat 100 sq metres of surface.
8	APPLICATION	Apply using a pneumatic sprayer as a coarse spray. Admixtures should be applied using spray equipment above conveyors close to storage. Application rates as above.
9	RESTRICTIONS	<p>FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE IN FOOD STORAGE PRACTICE.</p> <p>Operator must have completed agricultural pesticide application modules PA1 and PA6 before use. Product is flammable. Open and mix in a well ventilated area. PPE must be worn. Avoid contact with product. Do not breath mist. Exclude all persons and animals during treatment.</p>
10	PPE	 <p>Nitrile rubber gloves, goggles and disposable coveralls.</p>
11	RPE	Full face respirator or half face respirator with A1P3 filter and goggles

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12	ROUTES OF ABSORPTION	Ingestion, inhalation or absorption.
13	WORKPLACE EXPOSURE LIMIT	N/A
14	FIRST AID MEASURES	<p>General advice: Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.</p> <p>Inhalation: Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.</p> <p>Skin contact: Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.</p> <p>Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paresthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Call a physician or poison control center immediately.</p> <p>Ingestion: Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. Do not leave victim unattended. Call a physician or poison control center immediately.</p>
15	FIRE	<p>Flammable product. Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable: High volume water jet</p> <p>Special hazards arising from the substance or mixture: Dangerous gases are evolved in the event of a fire.</p> <p>Advice for firefighters: Special protective equipment for firefighters: In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.</p> <p>Further information: Contain the spread of the fire-fighting media. Do not allow run-off from fire-fighting to enter drains or water courses.</p>
16	STORAGE	Store in original container. If decanted, container must be labelled. Product must only be stored in Ecolab vehicle or Ecolab stores. Keep away from direct sunlight and other heat sources.
17	TRANSPORT	Product must be transported in the pesticide storage area of company van or in a sealed container. Container must have lid fitted and be secured to avoid spillage. Product must be carried in service specialist's holdall and not left unattended at any time.
18	SPILLAGE	Wear PPE. Contain spillage and absorb leaking liquid with a suitable inert absorbent material e.g. earth or sand. Collect up spillage and place in a

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		container, correctly labelled for safe disposal. Avoid watercourse contamination. Wash spill area with detergent and water.		
19	WASTE DISPOSAL	Rinse out packaging and use washings in sprayer. Dispose of rinsed packaging as Industrial waste. Dispose of waste pesticide in accordance with company procedures for the disposal of hazardous waste.		
20	MANUFACTURER	Bayer Environmental Science Tel. Emergency 0800-220876 (UK 24 hr)		
21	HSE / PCS No	MAPP 13573	IE/BPA	PCS 03641
22	OTHER INFORMATION	ALWAYS READ THE LABEL BEFORE USE		

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