

SAFETY DATA SHEET

AGIL 100 EC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : AGIL 100 EC
Chemical name of active ingredient(s) : (R)-2[[(1-methylethylidene)amino]oxy]ethyl 2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]propanoate (CA)
Manufacturer : Agan Chemical Manufacturers Ltd.
 Northern Industrial Zone,
 P.O.Box 262, Ashdod, Israel.
Emergency telephone number : +972-8-8515211

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Propaquizafop	111479-05-1	9.8	-	N, Xi	R43-50/53
Poly(oxy-1,2-ethanediyloxy), alpha- isotridecyl-omega-hydroxy-	9043-30-5	30 - 40	-	Xn	R22-36
N-Methyl-2-pyrrolidone	872-50-4	9 - 10	212-828-1	Xi	R36/38
Solvent naphta (petroleum), heavy arom. (solvesso)	64742-94-5	35 - 42	265-198-5	Xn	R65

* *Occupational Exposure Limit(s), if available, are listed in section 8*

3. HAZARDS IDENTIFICATION

Most important hazards : Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Effects and symptoms

First-aid measures : Remove victim from area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Immediately consult a doctor.

Inhalation : Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.

Ingestion : Immediately make victim drink active carbon in a large amount of water. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact : Remove contaminated clothing. Wash away remainder with water and soap.

Eye contact : Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

Notes to a physician : There is no specific antidote. Treat symptomatically and give supportive therapy.

Protection of first-aiders : Use appropriate protection (see section 8).

SAFETY DATA SHEET
AGIL 100 EC

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Dry chemical, water spray, foam, carbon dioxide.
Unusual fire/explosion hazards : Combustible. combustible substances - toxic and/or Irritating.
 Flashback may occur along vapour trail. Use appropriate containment to avoid environmental contamination.
Hazardous thermal (de)composition products : Chloride compounds and nitrogen oxides.
Protection of fire-fighters : Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable protective clothing.
Environmental precautions : Do not discharge into drains or the environment.
Methods for cleaning up : Keep away from: open flame, sparks and heat. Absorb remainder in sand or other inert material. Dispose of in an authorized waste collecting point.

7. HANDLING AND STORAGE

- Handling** : Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage : Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight. Keep at temperatures above Freezing point. Keep away from food, drink and animal feedingsuffs. Storage: >35°C and <-10°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Ventilation required.
Hygiene measures : When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
Occupational Exposure Limits
Common name : Propaquizafop
 : Not established
Common name : N-Methyl-2-pyrrolidone
 "MAK" (Germany) : 80 mg/m³
 TLV (USA) : 25 ppm (skin)
 STEL (USA) : 75 ppm (skin)
Common name : Solvent naphta (petroleum), heavy arom. (solvesso)
 TLV (USA) : 10 ppm or 52 mg/m³
Personal protective equipment
Respiratory system : Respiratory protection is not required if good ventilation is maintained.
Skin and body : Wear suitable protective clothing. Chemical resistant boots.
Hands : Chemical resistant gloves.
Eyes : Safety goggles or face shield.

SAFETY DATA SHEET

AGIL 100 EC

Other information : Wash off with plenty of water and soap. Wear clean work clothing regularly. Personal protective equipment - Clean up with soda solution.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Colour : Yellow - brown
Odour : Aromatic (Naphta)
Boiling point : > 194°C
Freezing point : < -10°C
Density : 1.025 ± 0.015 g/ml @ 20°C
 OECD 109
Octanol/water partition coefficient : 4.78 @ 25°C (Propaquizafop)
pH : 5 - 8 (5% - Water)
Flash point : 101°C
 EEC A 9
Flammability : Not flammable
Explosion properties : Not explosive
Viscosity : 18.98 mPa.s (1.182 - 5.49 rps @ 20°C)
Other properties : Surface tension : 34.3 mN/m @ 40°C

10. STABILITY AND REACTIVITY

Stability : Not subject to polymerization. Stable under normal conditions.
Materials to avoid : Oxidizing agents, acids and alkali.
Hazardous reactions :
Hazardous decomposition products : Chloride compounds and nitrogen oxides.
Other information : Keep in a cool, dry, well-ventilated place.

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Oral : LD₅₀ (rat) = 2,561 mg/kg
Acute toxicity - Dermal : LD₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Inhalation : LC₅₀ (rat) > 5.35 mg/l (4 hours)
Skin irritation : Irritating to rabbit.
Eye irritation : Irritating to rabbit.
Sensitization : Non sensitizer (guinea-pig).

Common name : **Propaquizafop**
Chronic toxicity : NOEL (rat, mice) : 1.5 mg/kg/day (2 years)
 NOEL (dog) : 20 mg/kg/day (1 year)
Carcinogenicity : EPA : Not classified
 EU : Not classified
 IARC : Not classified
Mutagenicity : Not mutagenic
Reproduction toxicity : NOEL (rat) : 0.6 mg/kg/day (2 generation)
Other information : Teratogenicity - Not teratogenic in animal experiments.
 NOEL (rat) : 20 mg/kg/day
 NOEL (rabbit) : 6 mg/kg/day

SAFETY DATA SHEET

AGIL 100 EC

13. DISPOSAL CONSIDERATIONS

- Methods of disposal** : Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers, in accordance with national and regional regulations.
- Waste of residues** : Collect spilled material. Wash away remainder with water and soap. Use appropriate containment to avoid environmental contamination. Contaminated soil layers have to be dug out. Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers, in accordance with national and regional regulations.
- Contaminated packaging** : Dispose of in an authorized waste collecting point. Refer to manufacturer/supplier for information on recovery/recycling.

14. TRANSPORT INFORMATION

International transport regulations

UN number : 3082

Land - Road/Railway

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Naphta.
ADR/RID Class : 9, M6, PG III

Inland waterways

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Naphta.
ADNR Class : 9, M6, PG III

Sea

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Naphta.
IMDG Class : 9 + Marine pollutant
Packing group : III
Emergency Schedules (EmS) : F-A, S-F

Air

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Naphta.
UN/ID Number : 3082
IATA-DGR Class : 9

National transport regulations

No additional national transport regulations are known to the supplier

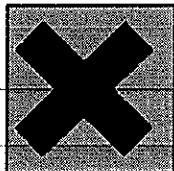
15. REGULATORY INFORMATION

Classification : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations.

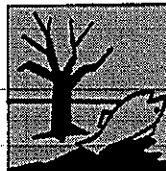
SAFETY DATA SHEET

AGIL 100 EC

Hazard symbol(s) : Xi, N



IRRITANT



DANGEROUS FOR THE ENVIRONMENT

Risk phrases : R36/38: Irritating to eyes and skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : "Contains Propaquizafop. May cause allergic reaction(s)."
S02: Keep out of the reach of children.
S13: Keep away from food, drink and animal feedingstuffs.
S20/21: When using do not eat, drink or smoke.
S24/25: Avoid contact with skin and eyes.
S36/37: Wear suitable protective clothing and gloves.
S60: This material and its container must be disposed of as hazardous waste.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

Date of printing : 06/12/2006
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Date of issue : 06/12/2006
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The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code

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