

# 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-ethanediyl),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 naphtha (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).

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#### 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 feedingstuffs. 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/m<sup>3</sup>  
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/m<sup>3</sup>
- 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.

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**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** : LD<sub>50</sub> (rat) = 2,561 mg/kg  
**Acute toxicity - Dermal** : LD<sub>50</sub> (rat) > 2,000 mg/kg  
**Acute toxicity - Inhalation** : LC<sub>50</sub> (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



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#### 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.

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**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  
**Version** : 002

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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