

Date of issue: 08/10/2018

Date of revision: 08/10/2018

Version no.: 1

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Product name: BOGIRON 250 EC**1.2 Relevant identified uses of the substance or mixture and uses advised against**Common uses: Industrial.**1.3 Details of the supplier of the safety data sheet**

CTS Ltd. - AGRICA
4 Haharash Street,
Hod Hasharon 45240, Israel
P.O. Box 10 Tel-Aviv, Israel
Phone: +972-9-7626257
Fax: +972-9-7626327

E-mail address of person responsible for this SDS: erezbn@cts.co.il**1.4 Emergency telephone number****Emergency telephone number (with hours of operation):** +972-9-7626333**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):

Acute Tox.4 H302
Asp. Tox. 1 H304
Eye Dam. 1 H318
Aquatic Acute H400
Aquatic Chronic1 H410

See section 16 for the full text of the H-statements declared above.

2.2 Label elementsLabelling in accordance with Regulation 1272/2008 (CLP)Hazard pictogram(s):Signal word: DangerHazard statement(s):

H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H318: Causes serious eye damage.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Supplemental hazard information:

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazard

Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	CAS number: N/A EC number: 922-153-0	40-70	Asp. Tox. 1 H304 Aquatic Chronic 2 H411
Difenconazole	CAS number: 119446-68-3 EC number: 601-613-1	23-25	Acute Tox.4 H302 Eye Irrit.2 H319 Aquatic Acute H400 Aquatic Chronic1 H410
Alcohols, C16-18 and C18-unsaturated, ethoxylated	CAS number: 68920-66-1 EC number: 500-236-9	<10	Skin irrit. 2 H315 Aquatic Chronic 3 H412
Calcium dodecylbenzene sulfonate	CAS number: 26264-06-2 EC number: 247-557-8	<10	Not available
Methyl alcohol	CAS number: 67-56-1 EC number: 200-659-6	<3	Flam. Liq. 2 H225 Acute Tox. 3 H301, H311, H331 STOT SE 1 H370

See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable: Foam, carbon dioxide, dry chemical or water spray.

Not suitable: Straight streams of water. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2 Special hazards arising from the substance or mixture

Under fire conditions may emit toxic and irritating fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep away from sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed in a dry, cool and well-ventilated place. Store in closed original container. Keep away from open flames, high energy ignition sources and strong oxidizers. Protect from light and humidity.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Substance name	Occupational exposure limits
Methyl alcohol	ACGIH-TLV 200 ppm (TWA), 250 ppm (STEL), skin

8.2 Exposure controls

Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Yellowish to dark brown liquid

Odour: N/A

Odour threshold: N/A

pH: 8-12 (1% in deionized water)

Melting point/Freezing point: <10°C

Initial boiling point/boiling range: >170°C

Flash point: ≥54°C

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density: N/A

Solubility(ies): Soluble in water

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

9.2 Other information

Density: 1047.3-1067.3 gr/L

SECTION 10: Stability and reactivity

10.1 Reactivity

Not available

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid

Open flames and high energy ignition sources. Light. Humidity.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Other decomposition products: not available
In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
BOGIRON	LD50, Oral	Rat	3442 mg/kg
	LD50, Administration onto the skin	Rat	>2000 mg/kg
	LC50, Inhalation	Rat	>5400 mg/m ³ /4H

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information
12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	EL50/72h - Pseudokirchneriella subcapitata – 3.8 mg/L and 7.9 mg/L	LL50/96h - Oncorhynchus mykiss – 3.6 mg/L	EL50/48h – Daphnia magna – 1.1 mg/L
Alcohols, C16-18 and C18-unsaturated, ethoxylated	EC50/72h - 2.3 mg/L	LC50/96h – 1.26 mg/L	EC50/72h – 2.5 mg/L

12.2 Persistence and Degradability

Not available

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

Not available

12.5 Results of PBT and vPvB assessment

Not available

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations
13.1 Waste treatment methods
Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information
14.1 Un number
ADR/RID: 3082

IMDG: 3082

IATA: 3082

14.2 Proper shipping name
ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10-C13, aromatics, Difenconazole)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10-C13, aromatics, Difenconazole)

IATA: Environmentally hazardous substance, liquid, n.o.s. (Hydrocarbons, C10-C13, aromatics, Difenconazole)

14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

14.4 Packing group

ADR/RID: III

IMDG: III

IATA: III

14.5 Environmental hazard

Marine Pollutant: Yes

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:
EU Regulation (EC) No.1907/2006 (REACH) including amendments
Regulation (EC) No.1272/2008 (CLP)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not available

15.2 Chemical safety assessment

Not available

SECTION 16: Other information**Full text of Hazards Statements referred to in sections 2 and 3:**

Eye Irrit.- Eye irritation
Eye Dam. - Serious eye damage
Flam.Liq.- Flammable liquid
Skin Irrit. - Skin irritation
STOT SE - Specific target organ toxicity — single exposure
Acute Tox. - Acute toxicity
Asp. Tox. - Aspiration hazard
Aquatic Acute - Hazardous to the aquatic environment
Aquatic Chronic - Hazardous to the aquatic environment
H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H304: May be fatal if swallowed and enters airways.
H331: Toxic if inhaled.
H370: Causes damage to organs.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:

CAS - Chemical Abstract Service

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration
 NTP - National Toxicology program
 IARC - International Agency for Research on Cancer
 N/A - Not available
 H - statements- Hazard statements
 TLV - Threshold Limit Value
 TWA - Time-weighted average
 STEL - Short-Term Exposure Limit
 CSA - Chemical safety assessment

This SDS and the information presented within it are based on data held by Hazmat, Ltd. and the current legislation as at the date stated on it. Anyone wishing to make use of the information presented within this document is obligated to update its instructions from time to time. The information presented in the SDS is based on the manufacturer's data and/ or the supplier of the substance/ product which is the subject of this SDS, as provided to Hazmat, Ltd. by the client and in the absence of such data the information was taken from a variety of literary professional sources. The information presented in this SDS is appropriate for the uses specified in paragraph 1 of the SDS only. It is emphasized, that the information specified in this SDS does not replace specific safety instructions for uses of the substance/ product which is the subject of this SDS, which were not explicitly specified in the SDS. Individual professional consultation should be received, and specific safety instructions should be read prior to any mixing of the substance which is the subject of this SDS with other substances and the stated in this SDS does not cover the entire safety instructions relating to mixing the substance which is the subject of this SDS with other substances and does not constitute a replacement to obtaining specific consultation as stated. Hazmat, Ltd. is not liable to any damage and/ or any loss, financial or otherwise, and will not accept responsibility, directly or indirectly, to damages of any kind, including as a result of failure to update and/ or misunderstanding and/ or misuse/ misinterpretation of the information within the document. Any question arising regarding the use of the SDS should be directed to Hazmat, Ltd., 23 Ha'Melacha st. Rosh Ha'Ayin, Tel: +972-3-9037141, fax: +972-3-9032717, email: hazmat@hazmat.co.il.
 The information detailed in this SDS was prepared by Hazmat, Ltd. for the orderer of the SDS and is for their use only. The contents of this SDS is the property of Hazmat, Ltd. only and it is strictly prohibited to copy, modify, edit, distribute, sell or take any other action which involves infringement of Hazmat's copyrights without the prior written consent of Hazmat, Ltd.

Version	Date	Prepared by	Quality Auditor
1	13.08.18	M.H	C.B