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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: FOLIRON 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
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
Repr. 1B H360d
Aquatic Acute 1 H400
Aquatic Chronic 1 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.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

H360d: May damage the unborn child.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P201: Obtain special instructions before use.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313: IF exposed or concerned: Get medical advice/attention.

2.3 Other hazard

Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
N,N - dimethyl fatty acid amide	CAS number: 14433-76-2 EC number: 238-405-1	50-70	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Chronic 3 H412
Tebuconazole	CAS number: 107534-96-3 EC number: 403-640-2	20-30	Acute Tox. 4 H302 Repr. 2 H361d Aquatic Acute 1 H400 M=1 Aquatic Chronic 1 H410 M (Chronic)=10
N-methyl-2-pyrrolidone	CAS number: 872-50-4 EC number: 212-828-1	1-5	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Repr. 1B H360d

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 powder or water fog.

Not suitable: N/A

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.

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.

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. Keep away from strong oxidizing agents.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limit values: N/A

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: Clear yellow liquid

Odour: N/A

Odour threshold: N/A

pH: 7.0-10.0

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: N/A

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): N/A

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: 941-971 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

Heat, moist, light, air.

10.5 Incompatible materials

Strong oxidizing agents.

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
N,N - dimethyl fatty acid amide	LD50, Oral	Rat	>2000 mg/kg
	LD50, Administration onto the skin	Rat	>5000 mg/kg
	LC50, Inhalation	Rat	>3551 mg/m ³ /4H
Tebuconazole	LD50, Oral	Rat	4000 mg/kg
	LD50, Administration onto the skin	Rabbit	>5000 mg/kg
N-methyl-2-pyrrolidone	LD50, Oral	Rat	3914 mg/kg
	LD50, Administration onto the skin	Rabbit	8000 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not available

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: May damage the unborn child.

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

SECTION 12: Ecological information
12.1 Toxicity

Product/ingredient name	Toxicity to algae	Toxicity to fish	Toxicity to crustaceans
N,N - dimethyl fatty acid amide	EC50/72h – Selenastrum capricornutum – 16.06 mg/l NOEC/72h – Selenastrum capricornutum – 1.8 mg/l	LC50/96h – Zebra fish – 14.8 mg/l	EC50/48h – Daphnia magna – 7.7 mg/l NOEC/21d – Daphnia magna – 0.28 mg/l
Tebuconazole	–	LC50/96h – Carassius auratus – 8.7 mg/l	EC50/48h – Daphnia magna – 11.8 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. (Tebuconazole)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole)

IATA: Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole)

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
Skin Irrit.-Skin irritation
Acute Tox.- Acute toxicity
STOT SE - Specific target organ toxicity — single exposure
Aquatic Acute - Hazardous to the aquatic environment
Aquatic Chronic - Hazardous to the aquatic environment
Repr. - Reproductive toxicity
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H335: May cause respiratory irritation.
H360d: May damage the unborn child.
H361d: Suspected of damaging the unborn child.
H400: Very toxic to aquatic life.
H410: Very 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

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