



Material Safety Data Sheet

RIMON® 0.83 EC

Version: 1.12

Revision Date: 10/08/2012

Print Date: 04/09/2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: *RIMON® 0.83 EC*

Synonyms: Novaluron 9.3% EC

Company: Chemtura Corporation
199 Benson Road
Middlebury, CT
06749
United States of America

Telephone: (US) +1 866-430-2775

Emergency telephone number: CHEMTREC: (24 hours) 800-424-9300
:

Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Prepared by: Product Safety Department
(US) +1 866-430-2775

10/08/2012

MSDSRequest@chemtura.com

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

WARNING!

Form: liquid Colour: light yellow Odour: slight characteristic

Hazard Summary : Irritating to eyes.

OSHA Hazards : SEVERE EYE IRRITANT
IRRITANT
REPRODUCTIVE EFFECTS

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or



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NTP

equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Component / CAS-No.	Weight percent
1-methyl-2-pyrrolidone 872-50-4	>= 40 - < 50 %
Novaluron 116714-46-6	9.3 %

SECTION 4. FIRST AID MEASURES

First aid procedures

- Inhalation : Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
Call a POISON CENTER or doctor/ physician.
- Skin contact : Remove contaminated clothing and shoes.
Wash off immediately with plenty of water for at least 15 minutes.
Call a POISON CENTER or doctor/ physician.
- 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.
Call a POISON CENTER or doctor/ physician.
- Ingestion : Call a physician or poison control centre immediately.
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Have person sip a glass of water if able to swallow.
Never give anything by mouth to an unconscious person.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- Flash point : > 216 °F (> 102 °C)
- Ignition temperature : Remarks: no data available



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Fire fighting

Suitable extinguishing media : Extinguishing media - large fires
Alcohol-resistant foam
(on small fires)
Carbon dioxide (CO₂)
Dry chemical
Water spray

Unsuitable extinguishing media : Water spray jet

Further information : Do not discharge extinguishing waters into streams, rivers and lakes.

Protective equipment and precautions for firefighters

Special protective equipment for firefighters : Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus (EN 133)

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear suitable protective equipment.

Environmental precautions : Prevent leaks and prevent soil / water pollution caused by leaks.
May be harmful to aquatic life.

Methods for containment / Methods for cleaning up : Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.
Dam up.
Large spills should be collected mechanically (remove by pumping) for disposal.
Pump excess material into suitable container (metal drums, metal tank, or such).

In accordance with local and national regulations.

SECTION 7. HANDLING AND STORAGE

Handling

Handling procedures : Avoid contact with skin, eyes and clothing.
Use with adequate ventilation.

Storage

Requirements for storage areas and containers : Keep in a dry, cool place.
Further information on storage conditions :

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Components / CAS-No.	Value / Basis /	Control	Further information
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	Update	parameters	
1-methyl-2-pyrrolidone 872-50-4	TWA US WEEL 2008-01-01	10 ppm	

Engineering measures

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection : Impervious gloves

Skin and body protection : Lightweight protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures :

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : light yellow

Odour : slight
characteristic

Safety data

Flash point : > 216 °F (> 102 °C)

Ignition temperature : Remarks: no data available

pH : 2.9
Note: 1% Solution

: Note: no data available

Vapour pressure : no data available

Density : 1.08 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Remarks: Exposure to sunlight.
Heat, flames and sparks.



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- Materials to avoid : Remarks: Strong acids
Strong bases
- Hazardous decomposition products : Note: nitrogen oxides (NO_x)
Carbon oxides
Other hazardous decomposition products may be formed.
- Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity
1-methyl-2-pyrrolidone : LD50 Oral: 3,914 mg/kg
Species: rat

Novaluron : LD50: > 5,000 mg/kg
Species: rat

Acute inhalation toxicity
Novaluron : LC50: > 5.15 mg/l
Species: rat

Acute dermal toxicity
1-methyl-2-pyrrolidone : LD50 Dermal: 8,000 mg/kg
Species: rabbit

Novaluron : LD50: > 2,000 mg/kg
Species: rabbit

Skin irritation
1-methyl-2-pyrrolidone : Result: Mild skin irritation

Novaluron : Species: rabbit
Result: No skin irritation

Eye irritation
1-methyl-2-pyrrolidone : Result: Severe irritation

Novaluron : Species: rabbit
Result: No eye irritation

Sensitisation
Novaluron : Maximisation Test
Species: guinea pig
Classification: Did not cause sensitization on laboratory animals.



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CMR effects
Novaluron : Carcinogenicity: Not classifiable as a human carcinogen.
Mutagenicity: In vitro tests did not show mutagenic effects
Teratogenicity: No effects on or via lactation
Reproductive toxicity: No toxicity to reproduction

12. ECOLOGICAL INFORMATION

Toxicity to fish
1-methyl-2-pyrrolidone : LC50: > 100 mg/l
Exposure time: 96 h
Species: Fish

Novaluron : LC50: > 0.002 mg/l
Exposure time: 96 h
Species: Cyprinodon variegatus (sheepshead minnow)
flow-through test

Toxicity to algae
Novaluron : EC50: > 9.68 mg/l
Species: Selenastrum capricornutum (green algae)

Toxicity to fish (Chronic toxicity)
Novaluron : NOEC: 0.00616 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
flow-through test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
Novaluron : NOEC: 0.00003 mg/l
Species: Daphnia magna (Water flea)

Bioaccumulation
Novaluron : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 14,431

Further information on ecology

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT

UN number : 3082
Description of the goods : Environmentally hazardous substances, liquid, n.o.s.



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Class : (Novaluron)
Class : 9
Packing group : III
ERG Code : 171

IATA

UN number : 3082
Description of the goods : Environmentally hazardous substance, liquid, n.o.s.
(Novaluron)
Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

IMDG

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Novaluron)
Class : 9
Packing group : III
EmS Number 1 : F-A
EmS Number 2 : S-F
Marine pollutant : yes
Novaluron
Environmentally hazardous : yes
Novaluron

Not regulated by DOT and TDG if shipped or transported in packaging less than 450 liters by road and/or rail.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Severe eye irritant, Irritant, Reproductive effects
CERCLA Reportable Quantity :
SARA 302 Reportable Quantity :
SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 302 Reportable Quantity :
SARA 304 Components : This material does not contain any components with a section 304 EHS RQ.



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SARA 313 Components : 1-methyl-2-pyrrolidone 872-50-4

California Prop. 65 Components : WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

1-methyl-2-pyrrolidone

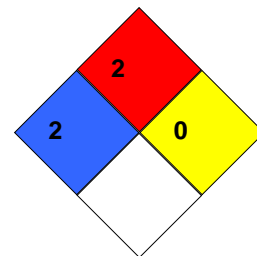
872-50-4 1-methyl-2-pyrrolidone

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 2
Flammability: 2
Physical hazards: 0
PPI: Ask supervisor or safety specialist for handling instructions

NFPA Classification : Health hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0





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Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.