

BACTIN

Revision: 2-2017/08/24

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the substance or preparation

Trade name: **BACTIN**

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Insecticide and acaricide

The product is supplied ready to use for end users form or a form that has to have to spend the final container bowl.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company

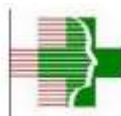
Name: AGRO-CHEMIE KFT.*Address:* 1225 Budapest, Bányalég u. 47-59. (Hungary)*Telephone /fax:* tel: (+36)-(1)-9000-800 Fax: (+36)-(1)-9000-810*E-mail address:* peter.czegledi@agrochemie.hu

1.4. Emergency information

Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)

1096 Budapest, Nagyvárad tér 2

(36)-80-201-199, (36)—1-476-6464



SECTION 2. HAZARDS IDENTIFICATION

2.1. Product identification

2.1.1. Classification according to Regulation (EC) No 1272/2008

Hazard class and category

Acute toxicity, Category 4 (Inhalation)	H 332
Eye Irrit. 2	H319
Skin Irrit. 2	H315
Akut toxicitás - Akut tox. 3 (Oral)	H301
Acute Tox. 4	H312
Repr. 2	H361
Aquatic Chronic 1	H412
Flam. Liq. 3	H226

2.2 Label elements

(EC) No 1272/2008 [CLP] according to the instructions

Pictograms



Warning: Warning

Hazard Statements (H- Statements)

H 332 Harmful if inhaled

H319 Causes serious eye irritation

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H315 Causes skin irritation
H301 Toxic if swallowed
H312 Harmful in contact with skin
H361 Suspected of damaging fertility or the unborn child
H412 Harmful to aquatic life with long lasting effects.
H226 Flammable liquid and vapour

Precautionary statements (P-statements)

P201 Obtain special instructions before use
P 270 Do not eat, drink or smoke when using this product.
P 281 Use personal protective equipment as required.
P314 Get Medical advice/attention if you feel unwell.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do $\text{\textcircled{D}}$ continue rinsing.

SP1 The pesticide or its packaging by not contaminate water! (Do not clean the unit or parts thereof near surface water! Avoid via drains on the farm or dirt roads).

SPe5 To protect birds / wild mammals treated with the pesticide extenders must be entirely incorporated in the soil! Make sure that the service should be implemented in full at the end of the line items

Working!

SPe6 Remove the accidentally spilled pesticide extenders managed to protect birds / wild mammals!

2.3 Other hazards

Other crop protection measures:

Depending on the authorization to use separate drinking water it must not be used within the protection zone of internal, external protection areas and hydrogeological protection zone.

To protect human health and prevent threats to the environment must be complied with the instructions for use.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Product composition

3.2. Active Ingredient

Information on ingredients:

Substance	Concentration	Classification	Index	CAS	EINECS
2,6-di-tert-butyl-p-cresol	0,1%	Acute Tox. 3 Acute Tox. 3 Aquatic Acute 1 Aquatic Chronic 1	H301 H331 H400 H410	128-37-0	204-881-4
geronol MS	5-8	Skin Irrit. 2, Acute Tox. 4, Aquatic Chronic 1	H315 H332 H410		
xylol	60-85%	Flam. Liq. 3, STOT RE 2, Asp. Tox. 1, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3,	H226; H373; H304; H312; H332; H315; H319; H335	1330-20-7	215-535-7

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Geronol FF/4	1-2%	Skin Irrit. 2, Acute Tox. 4, Aquatic Chronic 1	H315 H332 H410		
N-Methyl pyrrolidone	6-9%	Flammable Liquids:Category 4 Eye Irritation: Category 2 Reproductive Toxicity: Category 2A	H227 H335 H360	872-50-4	212-828-1
abamectin techn. (100%)	1-3%	Acute Toxicity, Oral (Category 1) Acute Toxicity, Inhalation (Category 3) Acute Toxicity, Dermal (Category 5) Hazardous to the Aquatic Environment, Acute Hazard (Category 1)	H300 H331 H313 H400	71751-41-2	-

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.

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

SECTION 4. FIRST-AID MEASURES



4.1. Symptoms and direct effects:

- **Inhalation:** harmful
- **Skin:** harmful
- **Ingestion:** harmful
- **Eye:** harmful

4.2. First aid:

- **Inhalation:** Remove to fresh air, If breathing difficulty or discomfort occurs and persists, contact a medical doctor
- **Skin:** wash with plenty of water and soap
- **Ingestion:** Never induce vomiting or give anything by mouth to an unconscious person. Contact a medical doctor
- **Eye:** Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention

4.3. Most important symptoms and effects, both acute and delayed

Toxic if swallowed. Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

4.4. Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote, contact Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

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SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide, alcohol type foams.

Extinguishing media to avoid: no data

5.2 Special hazards arising from the substance or mixture

Phosphorous oxides

Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Oxides of phosphorus, Hydrogen chloride gas

The substances/groups of substances mentioned can be released in case of fire.



5.3 Advice for firefighters

Complete personal protective equipment.

Wear self-contained breathing apparatus and chemical-protective clothing.

5.4 Further information In case of fire and/or explosion do not breathe fumes. Enclose the area of fire and keep unprotected persons far away. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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. Evacuate personnel to safe areas.

Do not breathe vapour, avoid contact with skin, avoid contact with eyes.

Protective equipment: protective goggles, protective gloves, protective boots, protective clothing, suitable respiratory protective device

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Spillage: absorb with sand

prevent contamination of water and sewer system.

6.3 Methods and materials for containment and cleaning up

Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

Large spill: As for small spill

Personal Protection in Case of Large Spill: Safety glasses, full suit, suitable respirator, boots and gloves.

A self-contained breathing apparatus should be used to avoid inhalation of the product.

6.4 Reference to other sections:

See Section 1 for emergency contact information.

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SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Handling: Do not breathe vapors. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling.

Hygiene Measures: 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. General advice

Storage: Store and use away from heat, sparks, open flame or any other ignition source. Keep containers tightly closed, in a dry, cool and well ventilated place. Do not store together with oxidizing agents, strong acids and strong bases. Use original container.

7.3. Protection against fire and explosion

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

Components with workplace control parameters

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.



Personal protective equipment

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of

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contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,
test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.



Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). **Thermal hazards:** is not known.

Environmental exposure controls

Do not release into the environment

General safety and hygiene measures:



When using do not eat, drink or smoke.

Avoid prolonged and repeated contact with the skin.

Wash hands before breaks and after work Use skin protection cream for skin protection.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Yellow liquid

Odour: Solvent odor

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: 29°C, CC (Xylol)

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: 0.9 kg/l

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

N/A

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Heat, sparks and open flame.

10.5 Incompatible materials

Oxidizing agents, strong acids and strong bases.

10.6 Hazardous Decomposition products:

Not available

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

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Product/ingredient name	Test	Species	Dose
2,6-Di-tert-butyl-p-cresol	LD50, Oral	Mouse	650 mg/kg
	LD50, Oral	Rat	890 mg/kg
Xylol	LD50, Oral	Rat	4300 mg/kg
	LD50, Oral	Mouse	2119 mg/kg
Methyl pyrrolidone	LD50, Oral	Rat	3914 mg/kg
	LD50, Oral	Mouse	5130 mg/kg
Abamectin tech. (100%)	LD50, Oral	Rat	1.5 mg/kg
	LD50, Oral	Mouse	13.6 mg/kg
Calcium dodecylbenzenesulphonate	LD50, Oral	Rat	1300 mg/kg
	LD50, Oral	Mouse	3680 mg/kg
Isobutanol	LD50, Oral	Rat	2460 mg/kg
	LD50, Oral	Mouse	3500 mg/kg

Irritation: Irritating to eyes and skin.**Corrosivity:** N/A**Sensitization:** N/A**Repeated dose toxicity:** N/A**Carcinogenicity:** N/A**Mutagenicity:** N/A**Toxicity for reproduction:** May cause harm to the unborn child.**Other effects:**

Toxic if swallowed. Harmful by inhalation and in contact with skin.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic organisms, may cause long- term adverse effects in the aquatic environment.

Substance name	Toxicity to fish	Toxicity to crustaceans	Toxicity to algae	Toxicity to other aquatic plants	Other toxicity data (birds, bees, plants etc.)
Abamectin tech. (100%)- according to the manufacturer	LC50/96h, bluegill sunfish: 0.096 mg/l LC50/96h, rainbow trout: 0.032 mg/l	EC50/48h, daphnia: 0.34 ppb	-	-	LD50, mallard ducks: 84.6 mg/kg LD50, bobwhite quail: >2000 mg/kg Toxic to bees.
2,6-Di-tert-butyl-p-cresol	-	EC50/48h, daphnia pulex- water flea: 1.44 mg/l	-	-	-

12.2 Persistence and Degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in soil

Soil/water partition coefficient (Koc): N/A

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects: N/A

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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: 2929

IMDG: 2929

IATA: 2929

14.2 UN proper shipping name

ADR/RID: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S. (Xylol, Abamectin, N-Methyl pyrrolidone)

IMDG: TOXIC LIQUID, FLAMMABLE, ORGANIC, N.O.S. (Xylol, Abamectin, N-Methyl pyrrolidone)

IATA: Toxic liquid, flammable, organic, n.o.s. (Xylol, Abamectin, N-Methyl pyrrolidone)

14.3 Transport hazard class(es)

ADR/RID: 6.1, 3

IMDG: 6.1, 3

IATA: 6.1, 3

14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

14.5 Environmental hazards

Marine Pollutant: Not known

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 safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

The use of this chemical entails the obligation to "Risk Assessment" by the employer under the provisions of the workers, these chemicals should not be subjected to health checks to evaluate the results of risks shows that the relation of the type and quantity of the chemical substance mode and contact with the exposure as well.

Only the "moderate risk" to the health and safety of workers and the measures provided for in that regulation is sufficient to reduce the risk.

Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

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SECTION 16. OTHER INFORMATION

16.1. OTHER INFORMATION

Text of H-phrase(s) mentioned in Section 3

Full text of H- Statements referred to under sections 2 and 3.

H 332 Harmful if inhaled

H319 Causes serious eye irritation

H315 Causes skin irritation

H301 Toxic if swallowed

H312 Harmful in contact with skin

H361 Suspected of damaging fertility or the unborn child

H412 Harmful to aquatic life with long lasting effects.

H226 Flammable liquid and vapour

H331 Toxic if swallowed

H335 May cause respiratory irritation

H373 May cause damage to organs state route of exposure if it is conclusively proven that no other routes of exposure cause the

H304 May be fatal if swallowed and enters airways

H360 Károsíthatja a termékenységet vagy a születendő gyermeket

H300 Fatal if swallowed

H 400 Very toxic to aquatic life.

H 410 Very toxic to aquatic life with long lasting effects.

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

General information:

The information contained herein is current experience and knowledge.

The information contained herein does not serve to guarantee the quality of the product description. The security is also affected by the conditions of use, which we do not know.

The user responsible for the safety data sheet describes the contents before use to work with.

The data sheet does not release the user understanding of the work of other regulatory requirements, and application of knowledge.

This safety data sheet supersedes all previous versions.

The above information is believed accurate but is not exhaustive, and is only as a guide.

Neither the Company nor its subsidiaries can not accept any complaint of missuse.

The information contained herein or the hazards of the product.

Pay particular attention to the use of the product may increase the risk of inappropriate use.