

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

Ecorins

Version TCS1.0-MK1.0 Revision Date Print Date 24.08.2009 GB / EN
24.08.2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Commercial Product Name : Ecorins
Company : **MKN Maschinenfabrik Kurt Neubauer GmbH & Co.**
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Use

Specific use(s) : Cleaning agent

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment



Symbol(s) : Xi Irritant

R-phrases(s) : R36 Irritating to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	EC-No. / Registration number	Classification	Concentration[%]
Citric acid	77-92-9	201-069-1	Xi; R36	95 - <= 100
wax LBO 45			Xi; R41	2 - < 3

4. FIRST AID MEASURES

General advice : When symptoms persist or in all cases of doubt seek medical advice.
Take off all contaminated clothing immediately.
Inhalation : Remove to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

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|---------------------|---|--|
| <u>Skin contact</u> | : | Wash off with warm water and soap. Take off contaminated clothing and shoes immediately. |
| <u>Eye contact</u> | : | Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately. |
| <u>Ingestion</u> | : | If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. Obtain medical attention. |

5. FIRE-FIGHTING MEASURES

- | | | |
|---|---|---|
| <u>Suitable extinguishing media</u> | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <u>Extinguishing media which shall not be used for safety reasons</u> | : | High volume water jet |
| <u>Specific hazards during fire fighting</u> | : | Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
Do not use a solid water stream as it may scatter and spread fire. |
| <u>Special protective equipment for fire-fighters</u> | : | Wear self-contained breathing apparatus and protective suit. |
| <u>Further information</u> | : | Standard procedure for chemical fires.
Exposure to decomposition products may be a hazard to health.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|----------------------------------|---|--|
| <u>Personal precautions</u> | : | Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation, especially in confined areas.
Wear personal protective equipment. |
| <u>Environmental precautions</u> | : | Should not be released into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities. |
| <u>Methods for cleaning up</u> | : | Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. |

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7. HANDLING AND STORAGE

Handling

Advice on safe handling : Avoid contact with skin and eyes.
Do not breathe vapours/dust.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Dust explosion class : not applicable

Storage

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store at room temperature in the original container.

Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.
Keep away from food, drink and animal feedingstuffs.

Remarks : No decomposition if stored and applied as directed.
Keep in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

General advice : Provide adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work.
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove

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manufacturer.

Eye protection : Splash hazard? Please wear protective goggles.

Skin and body protection : impervious clothing

Hygiene measures : When using do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : powder

Colour : white

Odour : characteristic

Safety data

pH : 2
at 1 g/l

Flash point : not applicable

Bulk density : 1,25 g/cm³

Water solubility : soluble

10. STABILITY AND REACTIVITY

Conditions to avoid : Avoid moisture.

Materials to avoid : Strong acids and strong bases
Oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Hazardous reactions :

Stability:
Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

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Skin irritation : Prolonged skin contact may defat the skin and produce dermatitis.

Eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.
Strong lachrymation can make it difficult to escape

Components:

Citric acid

77-92-9

Acute oral toxicity: LD50 rat
Dose: 3.000 mg/kg

Skin irritation: Classification: Irritating to skin.
Result: Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

Further information on ecology

Adsorbed organic bound halogens (AOX) : not included

Other ecotoxicological advice : The product should not be allowed to enter drains, water courses or the soil.

Components:

Citric acid

77-92-9

Toxicity to fish:
LC50
Species: Leuciscus idus (Golden orfe)
Dose: 440 - 760 mg/l
Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:
EC50
Species: Daphnia magna (Water flea)
Dose: ca. 120 mg/l
Exposure time: 72 h

13. DISPOSAL CONSIDERATIONS

Advice on disposal and packaging : Disposal:
In accordance with local and national regulations.

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EU Waste code: EWC

: Waste Key (unused product) :
070608, other still bottoms and reaction residues

Waste key (used product) :
070608, other still bottoms and reaction residues

14. TRANSPORT INFORMATION

Land transport

ADR

Not dangerous goods

RID

Not dangerous goods

Air transport

IATA

Not dangerous goods

Sea transport

IMDG

Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol(s)

: Xi

Irritant



R-phrases(s)

: R36

Irritating to eyes.

S-phrases(s)

: S22
S26
S60

Do not breathe dust.
In case of contact with eyes, rinse immediately
with plenty of water and seek medical advice.
This material and/or its container must be
disposed of as hazardous waste.

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VOC: : no VOC duties

Seveso Directive (96/82/EC) : Update: 2003
Directive 96/82/EC does not apply

National legislation

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R36 Irritating to eyes.
R41 Risk of serious damage to eyes.

Further information

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.

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