



INTATRADE  
MATERIAL SAFETY DATA SHEET  
according to 1907/2006/EC, Article 31

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## 1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY

Product name: **Chrysin**  
Product code: NN05388  
Company: INTATRADE Chemicals GmbH  
Bahnhofstr. 1  
06774 Muldestausee OT Friedersdorf, Germany  
Phone: +49 3493/605464  
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## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.  
Label elements: The product does not need to be labelled in accordance with EC directives or respective national laws.  
Other hazards: none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 5,7-Dihydroxyflavone  
Formula :  $C_{15}H_{10}O_4$   
Molecular Weight : 254,24 g/mol  
CAS-No. : 480-40-0  
EC-No. : 207-549-7  
No components need to be disclosed according to the applicable regulations.

## 4. FIRST AID MEASURES

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
In case of skin contact: Wash off with soap and plenty of water.  
In case of eye contact: Flush eyes with water as a precaution.  
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.  
Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11  
Indication of any immediate medical attention and special treatment needed: no data available

## 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture  
Advice for firefighters  
Further information

Carbon oxides  
Wear self contained breathing apparatus for fire fighting if necessary.  
no data available

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures  
Environmental precautions  
Methods and materials for containment and cleaning up  
Reference to other sections

Avoid dust formation. Avoid breathing vapours, mist or gas.  
For personal protection see section 8.  
Do not let product enter drains.  
  
Sweep up and shovel. Keep in suitable, closed containers for disposal.  
For disposal see section 13.

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## 7. HANDLING AND STORAGE

Precautions for safe handling  
  
Conditions for safe storage, including any incompatibilities  
Specific end use(s)

Provide appropriate exhaust ventilation at places where dust is formed.  
Normal measures for preventive fire protection.  
For precautions see section 2.  
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Apart from the uses mentioned in section 1 no other specific uses are stipulated

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters  
Exposure controls  
Appropriate engineering controls  
Personal protective equipment  
Eye/face protection

Components with workplace control parameters

General industrial hygiene practice.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(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 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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: powder  
Colour: beige  
Odour: no data available  
Odour Threshold: no data available  
pH: no data available

|  |  |
|--|--|
| Melting point/freezing point                 | Melting point/range: 284 - 286 °C - lit. |
| Initial boiling point and boiling range      | no data available                        |
| Flash point                                  | no data available                        |
| Evaporation rate                             | no data available                        |
| Flammability (solid, gas)                    | no data available                        |
| Upper/lower flammability or explosive limits | no data available                        |
| Vapour pressure                              | no data available                        |
| Vapour density                               | no data available                        |
| Relative density                             | no data available                        |
| Water solubility                             | no data available                        |
| Partition coefficient: noctanol/water        | no data available                        |
| Auto-ignition temperature                    | no data available                        |
| Decomposition temperature                    | no data available                        |
| Viscosity                                    | no data available                        |
| Explosive properties                         | no data available                        |
| Oxidizing properties                         | no data available                        |
| Other safety information                     | no data available                        |

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## 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | no data available                                |
| Chemical stability                 | Stable under recommended storage conditions.     |
| Possibility of hazardous reactions | no data available                                |
| Conditions to avoid                | no data available                                |
| Incompatible materials             | no data available                                |
| Hazardous decomposition products   | Other decomposition products - no data available |
| In the event of fire:              | see section 5                                    |

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## 11. TOXICOLOGICAL INFORMATION

|  |   |
|--|---|
| Acute toxicity                                     | no data available   |
| Skin corrosion/irritation                          | no data available   |
| Serious eye damage/eye irritation                  | no data available   |
| Respiratory or skin sensitization                  | no data available   |
| Germ cell mutagenicity                             | Human fibroblast DNA inhibition   |
| 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. |
| Reproductive toxicity                              | no data available   |
| Specific target organ toxicity – single exposure   | no data available   |
| Specific target organ toxicity – repeated exposure | no data available   |
| Aspiration hazard                                  | no data available   |
| Additional Information                             | RTECS: LK8329050<br>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.                 |

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## 12. ECOLOGICAL INFORMATION

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|------------------------------------|--|
| Toxicity                           | no data available  |
| Persistence and degradability      | no data available  |
| Bioaccumulative potential          | no data available  |
| Mobility in soil                   | no data available  |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted |
| Other adverse effects              | no data available  |

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### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging Dispose of as unused product.

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### 14. TRANSPORT INFORMATION

|                              |                   |                           |          |
|------------------------------|-------------------|---------------------------|----------|
| UN number                    | ADR/RID: -        | IMDG: -                   | IATA: -  |
| UN proper shipping name      | ADR/RID: -        | IMDG: -                   | IATA: -  |
|                              | ADR/RID: -        | IMDG: -                   | IATA: -  |
|                              | ADR/RID: -        | IMDG: -                   | IATA: -  |
| Transport hazard class(es)   | ADR/RID: -        | IMDG: -                   | IATA: -  |
| Packaging group              | ADR/RID: -        | IMDG: -                   | IATA: -  |
| Environmental hazards        | ADR/RID: no       | IMDG Marine pollutant: no | IATA: no |
| Special precautions for user | no data available |                           |          |

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### 15. REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific

for the substance or mixture no data available

Chemical Safety Assessment For this product a chemical safety assessment was not carried out

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### 16. OTHER INFORMATION

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Intatrade Chemicals GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.