



SAFETY DATA SHEET

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

1-1 Product identifier

Product name : Crocin
Product Number : ---- :
CAS-No. : 42553-65-1

1-2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1-3 Details of the supplier of the safety data sheet

Company : Meraj Tejarat Payvar
Telephone : 0000
Fax : 000
E-mail address : contact@purecrocin.com

1-4 Emergency telephone number: 000

2. HAZARDS IDENTIFICATION

2-1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2-2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2-3 Other hazards – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3-1 Substances

Synonyms : Crocetin digentibiose ester

Formula : $C_{44}H_{64}O_{24}$

Molecular Weight : 976,96 g/mol

Color : Violet

4. FIRST AID MEASURES

4-1 Description of 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.

4-2 Most important symptoms and effects, both acute and delayed

4-3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

5-1 Extinguishing media

Suitable extinguishing media

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

5-2 Special hazards arising from the substance or mixture

Carbon oxides

5-3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5-4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6-1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

6-2 Environmental precautions

Do not let product enter drains.

6-3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6-4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7-1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7-2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Air and moisture sensitive. Light sensitive. Store under inert gas.

7-3 Specific end uses

no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8-1 Control parameters

Components with workplace control parameters

8-2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice

Personal protective equipment



Eye/face protection

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





Skin protection

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

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.

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).

9. PHYSICAL AND CHEMICAL PROPERTIES

9-1 Information on basic physical and chemical properties

- | | |
|---|-------------------|
| a) Appearance | Form: solid |
| b) Odour | No data available |
| c) Odour Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | No data available |
| g) Flash point | No data available |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapour pressure | No data available |
| l) Vapour density | No data available |
| m) Relative density | No data available |
| n) Water solubility | No data available |
| o) Partition coefficient: n-octanol/water | No data available |
| p) Autoignition temperature | No data available |
| q) Decomposition temperature | No data available |



- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

9-2 Other safety information
no data available





10. STABILITY AND REACTIVITY

10-1 Reactivity

no data available

10-2 Chemical stability

no data available

10-3 Possibility of hazardous reactions

no data available

10-4 Conditions to avoid

no data available

10-5 Incompatible materials

Strong oxidizing agents

10-6 Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11-1 Information on toxicological effects

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

no data available

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

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes

May cause eye irritation.

Additional Information

RTECS: HL7380000



12. ECOLOGICAL INFORMATION

12-1 Toxicity
no data available



- 12-2 Persistence and degradability**
no data available
 - 12-3 Bioaccumulative potential**
no data available
 - 12-4 Mobility in soil**
no data available
 - 12-5 Results of PBT and vPvB assessment**
no data available
 - 12-6 Other adverse effects**
no data available
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13. DISPOSAL CONSIDERATIONS

13-1 Waste treatment methods

Product

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

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14-1 UN number

ADR/RID: -

IMDG: -

IATA: -

14-2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14-3 Special precautions for user

no data available

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

no data available

15-2 Chemical Safety Assessment

no data available

Pure Crocin