



MATERIAL SAFETY DATA SHEET

1. Identification of the Substance and of the Company

1.1 Product identifiers

Product name : Troxerutin

CAS-No. : 7085-55-4

EC number: 230-389-4

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

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : Aurora Industry Co.,Ltd.

Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Telephone : 0411-82288674

2. Hazards Identification

· Classification of the substance or mixture

The substance is not classified, according to the Globally Harmonized System (GHS).

· Label elements

· GHS label elements None

· Hazard pictograms None

· Signal word None

· Hazard statements None

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

3. Composition/Information on Ingredients

Chemical characterization: Substances



CAS No. Description	7085-55-4 Troxerutin
Identification number(s)	
EC number:	230-389-4

4. First Aid Measures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing agents

Use fire fighting measures that suit the environment.

A solid water stream may be inefficient.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

6.5 Protective Action Criteria for Chemicals

PAC-1: Substance is not listed.



PAC-2: Substance is not listed.

PAC-3: Substance is not listed.

7. Handling and Storage

Handling:

Precautions for safe handling No special measures required.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage: Store in accordance with information listed on the product insert.

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Specific end use(s) No further relevant information available.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

· Components with limit values that require monitoring at the workplace: Not required.

· Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

· Breathing equipment: Not required.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Not required.



9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance:	solid
b) Color:	No determined
c) Odor:	Characteristic
d) Structural Formula:	C ₃₃ H ₄₂ O ₁₉
e) Molecular Weight:	742.7 g/mol
f) Odor threshold:	Not determined.
g) pH value:	No data available
Change in condition	
h) Melting point/Melting range:	Undetermined.
i) Boiling point/Boiling range:	Undetermined.
j) Flash point:	Not applicable.
k) Flammability (solid, gaseous):	Product is not flammable.
l) Decomposition temperature:	Not determined.
m) Auto igniting:	Not determined.
n) Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
o) Lower:	Not determined.
p) Upper:	Not determined.
q) Vapor pressure:	Not applicable.
r) Density:	Not determined.
s) Relative density:	Not determined.
t) Vapor density:	Not applicable.
u) Evaporation rate:	Not applicable.
v) Solubility in / Miscibility with Water:	Not determined.
w) Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
x) Dynamic:	Not applicable.
y) Kinematic:	Not applicable.
z) SOLUBILITY	DMF: 30 mg/ml; DMSO: 30 mg/ml; PBS (pH 7.2): 1 mg/ml

9.2 Other information

No further relevant information available.

10. Stability and Reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.



10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide

11. Toxicological Information

- RTECS Number LK8331500
- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

Intraperitoneal LD50 27,160 mg/kg (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

- Carcinogenic categories
- IARC (International Agency for Research on Cancer) Substance is not listed.
- NTP (National Toxicology Program) Substance is not listed.
- OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.

12. Ecological Information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment



- | | |
|-------------------------|--|
| · PBT: | Not applicable. |
| · vPvB: | Not applicable. |
| · Other adverse effects | No further relevant information available. |

13. Disposal Considerations

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transport Information

14.1 UN number

DOT, IMDG, IATA not regulated

14.2 UN proper shipping name

DOT, IMDG, IATA not regulated

14.3 Transport hazard class(es)

DOT, IMDG, IATA

Class not regulated

14.4 Packaging group

DOT, IMDG, IATA not regulated

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

14.8 UN "Model Regulation"

not regulated

15. Regulatory Information

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

No further relevant information available.

- Sara

- Section 355 (extremely hazardous substances): Substance is not listed.

- Section 313 (Specific toxic chemical listings): Substance is not listed.

- TSCA (Toxic Substances Control Act): Substance is not listed.

- Hazardous Air Pollutants Substance is not listed.

- Proposition 65

- Chemicals known to cause cancer: Substance is not listed.



- Chemicals known to cause reproductive toxicity for females: Substance is not listed.
- Chemicals known to cause reproductive toxicity for males: Substance is not listed.
- Chemicals known to cause developmental toxicity: Substance is not listed.
- Carcinogenic categories
- EPA (Environmental Protection Agency) Substance is not listed.
- TLV (Threshold Limit Value) Substance is not listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

Further information

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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. Aurora Industry Co.,Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See the reverse side of invoice or packing slip for additional terms and conditions of sale.

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