

SDS- Safety Data Sheet for

Equisetin, CAS Number: 57749-43-6

1. Identification of the substance/preparation and of the company/undertaking

Product identifier

Product Name Equisetin

Product Code **EQ**

Recommended use of the chemical and restrictions on use

For research use.

Not intended for diagnostic or therapeutic use.

Details of the supplier of the safety data sheet.

(Manufacturer of the product,
and the supplier of the SDS)

FERMENTEK Ltd

4 Yatziv street, POB 47120
Jerusalem 97800, Israel

Tel: +972 2 5853953

Fax: +972 2 5853943

eMail: Safety@fermentek.com

Website: www.fermentek.com

Emergency telephone number(s)

Chemtrec

+1.800.424.9300 (Within USA)

+1.703.527.3887 (Outside USA)

2. Hazards identification

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification

Acute toxicity – Oral Category 4

Label elements

Symbol/Pictogram



Signal word Warning

Hazard statements

H302: Harmful if swallowed.

Precautionary Statements – Prevention

P264: Wash face, hands and any exposed skin thoroughly after handling

P270: Do not eat, drink or smoke when using this product

Precautionary Statements - Response

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

Precautionary Statements – Storage / Disposal

P501: Dispose of contents/container to an approved waste disposal plant



Potential Health Effects (Acute and Chronic):

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Hazards not otherwise classified (HNOC)

Hazards not otherwise classified (HNOC) Not applicable

Other Information

NFPA	Health hazards:	0
	Flammability	1
	Stability	0
HMIS	Health hazards:	0
	Flammability	1
	Stability	0

3. Composition/information on ingredients

This product is a pure compound.

Chemical Name:	Equisetin
CAS No:	57749-43-6
Molecular Weight:	373.5
Formula:	C ₂₂ H ₃₁ NO ₄
Concentration:	>98%

4. First aid measures

First Aid Measures

Eye contact:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing..

Skin Contact:

Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation:

Immediate medical attention is required.

Remove to fresh air.

If not breathing, give artificial respiration

Ingestion:

Do NOT induce vomiting. Call a physician or poison control centre. Never give anything by mouth to an unconscious person. Drink plenty of water.

Self-protection of the first aider:

Use personal protective equipment as required.

Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed symptoms:

No information available.

Indication of any immediate medical attention and special treatment needed:

Note to physicians: Treat symptomatically



5. Fire-fighting measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products

Carbon oxides.

Nitrogen oxides (NOx).

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Prevent product from entering drains.

Methods and material for containment and cleaning up

Containment:

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

7. Handling and storage

Advice on safe handling

Avoid contact with skin, eyes or clothing.

Use personal protective equipment as required.

Wash contaminated clothing before reuse.

Do not breathe dust/fume/gas/vapors/spray.

Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.
Store at -20°C.(Freezer conditions).



Incompatible materials

Strong oxidizing agents, strong acids and bases.

8. Exposure controls/personal protection

Control parameters

Exposure Guidelines:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies..

Engineering controls

Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection:

Safety goggles.

Skin and Body Protection:

Wear protective gloves and protective clothing.

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved. respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations.

Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

When using, do not eat, drink or smoke.

Regular cleaning of equipment, work area and clothing is recommended.

Avoid contact with skin, eyes or clothing.

Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.



9. Physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Property</u>	<u>Values</u>
Appearance/ Physical State	Solid/Powder	Lower flammability limit	No information available
Odor	Not determined	Vapor pressure	No information available
pH	No information available	Vapor density	No information available
Melting point	223.22°C (from literature)	Specific gravity	No information available
Boiling point	513.57°C(from literature)	Water solubility	Negligible
Flash point	264.4°C(from literature)	Solubility in other solvents	Acetone, Methanol,
Density	1.19 g/cm3(from literature)	Auto-ignition temperature	No information available
Upper flammability limits	No information available	Decomposition temperature	No information available
Oxidizing properties	No information available	Explosive properties	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous polymerization	Will not occur
Conditions to avoid	Extremes of temperature and direct sunlight
Incompatible materials	Strong oxidizing agents, strong acids and bases
Hazardous Decomposition Products	Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological information

Information on likely routes of exposure

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Information on toxicological effects

Symptoms	No information available.
----------	---------------------------

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity	No information available.
------------------	---------------------------

Toxicity - :From RTECS record KD7986000:

RTECS NUMBER	: KD7986000
CHEMICAL NAME	: Equisetin
CAS REGISTRY NUMBER	: 57749-43-6
TYPE OF TEST	: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE	: Intraperitoneal
SPECIES OBSERVED	: Rodent - mouse
DOSE/DURATION	: 63 mg/kg



12. Eco-toxicological information

Eco toxicity	May cause long lasting harmful effects to aquatic life
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. Disposal considerations

Disposal of wastes:	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging:	Do not reuse container.
Other Information:	Waste codes should be assigned by the user based on the application for which the product was used

14. Transport information

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated

15. Regulatory information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

16. Other information

Disclaimer

The information provided in this Material 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 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.

-----End of SDS document-----

