



Safety Data Sheet: DAS | Fermentek

1. Identification of the substance/mixture and of the Company

1.1 Product identifier

Product Code: **DAS**
Product name: **DAS | Fermentek**

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

Recommended use: Laboratory chemicals,
Manufacture of substances,
Research.

Uses advised against: Not for drug,
Not to be used in humans or animals.
Not food additive.

1.3 Details of the manufacturer and supplier of the safety data sheet

Company: **FERMENTEK**
4 Yatziv street, POB 47120
Jerusalem 97800, Israel

Tel: +972 2 5853953
Fax: +972 2 5853943
eMail: fermentek@fermentek.com
Website: www.fermentek.com

This company is the manufacturer of the product, and the supplier of the safety data sheet

1.4 Emergency Telephone number

For chemical emergency spill, leak, fire, exposure, or accident calls CHEMTREC day or night:
Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887

1.5 REACH

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline



2 Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 2), H300
Acute toxicity, Inhalation (Category 1), H330
Acute toxicity, Dermal (Category 2), H310
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319

2.2 GHS Label elements, including precautionary / hazard statements



Pictograms
Signal word

Danger

Hazard statements

H300 + H310 + H330
H315
H319

Fatal if swallowed, in contact with skin or if inhaled
Causes skin irritation.
Causes serious eye irritation.

Precautionary statements

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ eye protection/ face protection.
P284	Wear respiratory protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P320	Specific treatment is urgent (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P361	Remove/Take off immediately all contaminated clothing.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.



SECTION 3: Composition/information on ingredients

3.1 Substance

	<u>THIS PRODUCT IS A PURE COMPOUND.</u>
Chemical name	Diacetoxyscirpenol
Synonyms:	Anguidin
CAS-No.	2270-40-8
EC	218-873-3
Chemical characterization:	Natural product; extracted from bacterial biomass
RTECS:	YD0112000
	Acute Tox. 2; Acute Tox. 1;
	Acute Tox. 2; Skin Irrit. 2; Eye Irrit. 2A; H300 + H310 + H330, H315, H319
Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
H300	Fatal if swallowed.
H300 + H310 + H330	Fatal if swallowed, in contact with skin or if inhaled
H310	Fatal in contact with skin.
H315	Causes skin irritation.

4 First Aid Measures

4.1 Description of First Aid Measures:

In Case of Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
In Case of Skin Contact:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
If swallowed:	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

5. Fire-fighting 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 fire fighting if necessary.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Evacuate personnel to safe areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal. (see section 13)

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Avoid exposure - obtain special instructions before use.

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities.

Store in cool place. : -20 °C

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

7.3 Specific end uses

Specific uses:

See section 1.2

Exposure scenario:

No information available.

8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

No data available

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Face shield and safety glasses: 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.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole



Control of environmental exposure

means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Prevent further leakage or spillage if safe to do so.
Do not let product enter drains.

9. Physical and chemical properties

Physical / chemical properties

Physical State at room temperature	Solid / powder, White
Water solubility	Negligible.

10. Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Precautionary Statements:	None under normal processing.
Conditions to avoid	Heat, flames and sparks
Incompatible materials	Strong reducers and oxidizers
Hazardous decomposition products:	Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. Toxicological information

To the best of our knowledge, the toxicological, chemical and physical properties of this substance have not been investigated sufficiently.

11.1 Information on toxicological effects based on RTECS record YD0112000

Quantitative toxicity data:

Rodents (rat)
Oral LD₅₀ = 7mg/Kg: IntraVenous LD₅₀=1.3 mg/Kg

Symptoms:

Nausea, Headache, Vomiting, Impairment of vision
Stomach - Irregularities - Based on Human Evidence

This substance is not identified as human carcinogen.
This substance is not known to be a Mutagen, Teratogen, and/or Genotoxic.

12. Ecological Information

Toxicity: No information available.

Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Marine pollutant:	NO.

No further relevant information available.



13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues / unused products

Dispose of in accordance with local/national regulations.

Contaminated packaging

Dispose of as unused product

14. Transport information

14.1 UN number: 3462 Class: 6.1 Packing group: II

14.2 UN proper shipping name

US DOT: Class: 6.1 Packing group: II

IATA: Class: 6.1 Packing group: II

IMDG: Class: 6.1 Packing group: II

15. Regulatory information

15.1 SARA

S. 302 (EHS) S. 304 RQ

Not listed

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

15.2 European Community regulations

European Community Risk and Safety Phrases:

R25 toxic if swallowed

S24/25 Avoid contact with skin and eyes

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

16: Other information

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Disclaimer

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 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

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