USA and Canada: +1 703-527-3887





Safety Data Sheet: Nivalenol

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

Product identifiers			
Product name	Nivalenol	EC Number #	621-749-5
Product Code	NIV	Formula	C15H20O7
CAS#	23282-20-4	Mol Weight	312.30
Pure substance/mixture	Substance	RTECS	YD0167000

Intended uses of the substance or mixture and uses advised against

Intended use Uses advised against: Only for Research and/or Development Not to be used in humans or animals. Not food additive Details of the supplier of the safety data sheet **Emergency Telephone number** FERMENTEK Itd Tel: +972 2 5853953 For chemical emergency spill, leak, fire, exposure, Fax: +972 2 5853943 or accident calls CHEMTREC day or night: 4 Yatziv street, POB 47120 Jerusalem 97800, eMail: fermentek@fermentek.com Within USA and Canada: 1-800-424-9300. Outside

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

Website: www.fermentek.com

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.

Section 2. Hazards identification

Classification of the substance or mixture

GHS Classification:

Acute Toxicity, Oral	(Category 2) – H300 – Fatal if swallowed
Dermal	(Category 2)H312Harmful in contact with skin

GHS Label elements, including precautionary statements

Pictogram:



Signal word: {DANGER}

GHS Hazard Statements

dns nazaru statements		
H300:	Fatal if swallowed	
H312	Harmful in contact with skin	
GHS Precautionary Statements		
P201:		
P281:		

Section 3. Composition/information on ingredients

Substance

Substance name:	Nivalenol
	CAS Registry #:23282-20-4
	Molecular Formula: C15H20O7 Molecular Weight: 312.30
	Acute Toxicity, Oral (Category 2)
Mixture	Not mixture.



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Section 4. First Aid Measures

Description of First Aid Measures

General advice: If medical attention is required, show this safety data sheet to the doctor.

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. If

symptoms persist, call a physician.

Skin Contact: Immediate medical attention is required. Wash off immediately with soap and plenty of

water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a

physician.

Ingestion: Do NOT induce vomiting. Call a physician or poison control center immediately. Never

give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth

with water and drink afterwards plenty of water. Call a physician

Inhalation: Immediate medical attention is required Remove to fresh air If not breathing, give

artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary Call a physician Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a

physician

Self-protection of the

first aider:

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take

precautions tob protect themselves and prevent spread of contamination.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	None
Hazardous combustion products	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for fire fighting. Wear protective suit.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

and upwind of spill/leak.

Environmental precautions

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

Methods for 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.

Methods for cleaning up: Cover liquid spill with sand, earth or other non-combustible absorbent

material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up

and shovel into suitable containers for disposal.

Section 7. Handling and storage

Precautions for safe handling

Advice on safe handling: Avoid contact with skin, eyes or clothing. Use personal protective

equipment as required. Wash contaminated clothing before reuse. Do not







Nivalenol Safety Data Sheet

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breathe dust/fume/gas/mist/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.

Incompatible materials: None known based on information available.

Section 8. Exposure Controls/Personal Protection

No occupational exposure limits are listed for this material.

OSHA Permissible Exposure Limits

NO Data Available

NO Data Available

ACGIH Threshold Limit Values

NO Data Available

Exposure controls

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations, Ventilation systems

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work.

Personal protective equipment

The employer/end user, prior to use of this product should perform all recommendations below are advisory in nature and a risk assessment. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

[PPE=Personal Protection Equipment]

PPE: 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 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).

PPE: Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper

glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and

good laboratory practices, and wash and dry hands

PPE: Eye Protection: Use a 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)

PPE: Skin and Body Protection: Handle with gloves. Wear protective clothing. Choose body protection

according to the amount and concentration of the dangerous substance at the work place. When deemed needed according to the concentration and

amount of this product, use a complete body suit

Section 9. Physical and chemical properties

Physical / chemical properties

Physical State at room temperature Solid / powder

Color

Melting/freezing point

No further safety relevant data are available

Section 10. Stability and reactivity

Reactivity:No information available.Chemical stability:Stable under normal conditions.Conditions to avoidHeat, flames and sparks. Sunlight.Incompatible materialsStrong reducers and exidizers



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Possibility of Hazardous Reactions None under normal processing

Hazardous decomposition products: Carbon oxides

Section 11. Toxicological information

Information on toxicological effects

Acute Toxicity	LD50 (oral - rat) 19.5 mg/kg	
Chin compains limitation	LD50 (oral - mouse) 5 mg/kg	
Skin corrosion/irritation:	Causes skin irritation	
Serious eye damage/eye irritation:	No data available	
Respiratory or skin sensitization:	No data available	
Germ cell mutagenicity:	Mutagen, experimentally confirmed.	
Carcinogenicity:	IARC: - Group 3: Not classifiable as to its carcinogenicity to humans.	
Reproductive toxicity / Teratogenicity:	No data available	
STOT-SE – single exposure (GHS):	No data available	
STOT-RE – repeated exposure (GHS):	No data available	
Aspiration hazard:	No data available	
Potential Health Effects		
Inhalation:	No data available	
Skin	Causes skin irritation (experimentally confirmed)	
Eyes:	No data available	
Ingestion	Fatal if swallowed	
Signs and Symptoms of Exposure	Effects may vary from mild irritation to severe destruction of tissue.,	
	Nausea, Vomiting, Hemorrhage.	
	Skin: Causes dermatitis,	
	Gastrointestinal - ulceration or bleeding from small intestine	
	Gastrointestinal - hypermotility, diarrhea	
Additional information:	RTECS: YD0167000	
Comment:	Other vendors classify this product as fatal by skin contact and	
	inhalation, without specifying any supporting data or	
	publications.	

Section 12. Ecological Information

Eco-ToxicityNo further relevant information available **Other adverse effects**No further relevant information available.

Section 13. Disposal Considerations

Waste treatment methods		
Waste from residues / unused products	Dispose of in accordance with local regulations	
Contaminated packaging	Dispose of as unused product. Do not reuse container.	

Section 14. Transport information

UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number UN proper shipping name	3462 Toxins, extracted from living sources, solid, n.o.s. (Nivalenol)			
Transport Hazard Class & Packing Group	6.1 Pg II	6.1 Pg II	6.1 Pg II	6.1 Pg II



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Section 15. Regulatory information

Safety, health and environmental regulations/legislation		
USA EPA / TSCA	This product is not listed on the USA EPA TSCA	
EU ECHA Status	This product is registered with the EU ECHA under number 621-749-5	
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL	

Section 16. Other information

Date of revision:28 May 2017

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 here 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.



