

Safety Data Sheet: Chromomycin A3

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

Product identifiers			
Product name	Chromomycin A3	Formula	C ₅₇ H ₈₂ O ₂₆
Product Code	CR	Mol. Weight	1183
CAS #	7059-24-7		
EC Number #	230-348-0	RTECS	GB7875000

Intended uses of the substance or mixture and uses advised against	
Intended use	Uses advised against:
Only for Research and/or Development	Not for drug, Not to be used in humans or animals. Not food additive

Details of the supplier of the safety data sheet		Emergency Telephone number
FERMENTEK Ltd 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	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

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

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
Reproductive toxicity	(Category 1B)	H360	May damage fertility or the unborn child

GHS Label elements, including precautionary statements

Pictogram:  Signal word: {DANGER}

GHS Hazard Statements

H300	Fatal if swallowed
H360	May damage fertility or the unborn child

GHS Precautionary Statements

P201+ P202	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P281	Use personal protective equipment as required
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P321	Specific treatment (see supplemental first aid instructions in this document)
P330	Rinse mouth.
P405	Store locked up
P501	Dispose of contents/ container to an approved waste disposal plant.



Section 3. *Composition/information on ingredients*

Substance

Substance name:	Chromomycin A3
	CAS Registry #:SDS Chromomycin A3 EC#:230-348-0
	Molecular Formula: C ₅₇ H ₈₂ O ₂₆ Molecular Weight 1183
	Acute Toxicity, Oral (Category 2) H300 <i>Fatal if swallowed</i>
	Reproductive toxicity (Category 1B) H360 <i>May damage fertility or the unborn child</i>
Mixture:	Not mixture.

Section 4. *First Aid Measures*

Description of First Aid Measures

General advice:	Consult a doctor. Show this safety data sheet to the doctor.
Eye contact:	Flush eyes with water as a precaution.
Skin Contact:	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult 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:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult 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 to 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 if necessary. Wear protective suit.

Section 6. *Accidental release measures*

Personal precautions, protective equipment and emergency procedures

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

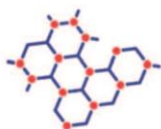
Environmental precautions

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 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

NIOSH Recommended Exposure Limits 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	Yellow
Melting/freezing point	175-185°C
No further safety relevant data are available	



Section 10. *Stability and reactivity*

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides

Section 11. *Toxicological information*

Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

Acute Toxicity	LD50 (oral - Rodent - mouse) 1.4 mg/kg
Reproductive toxicity	Presumed human reproductive toxicant
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.
Additional information:	RTECS:

Section 12. *Ecological Information*

Eco-Toxicity	No 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

Section 14. *Transport information*

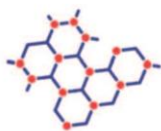
UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	3462	3462	3462	3462
UN proper shipping name	Toxins, extracted from living sources, solid, n.o.s. (Chromomycin A3)	Toxins, extracted from living sources, solid, n.o.s. (Chromomycin A3)	Toxins, extracted from living sources, solid, n.o.s. (Chromomycin A3)	Toxins, extracted from living sources, solid, n.o.s. (Chromomycin A3)
Transport Hazard Class & Packing Group	6.1 Pg I	6.1 Pg I	6.1 Pg I	6.1 Pg I

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 listed in EINECS
CA: DSL/NDSL Status	This product is not listed on the Canadian DSL/NDSL
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	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.



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.

End of SDS-----

