

Safety Data Sheet


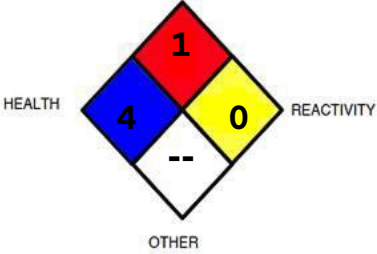
Section 1: Product & Company Identification

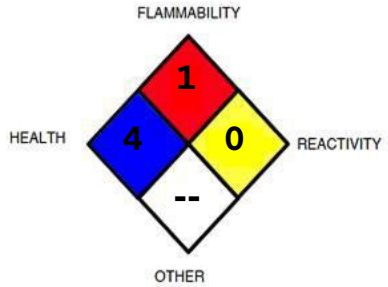
Product Name:	Cycloheximide
Product #:	C-1189
Synonyms:	Actidione; Naramycin A; Kaken; Hizarocin; Zykloheximid; Neocycloheximide
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego, CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Cycloheximide	66-81-9	200-636-0	>98

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Immediate medical attention is required. If symptoms persist, call a physician.
Inhalation:	Remove to fresh air Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation Immediate medical attention is required If not breathing, give artificial respiration Artificial respiration and/or oxygen may be necessary Call a physician Oxygen or artificial respiration if needed Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician.
Skin:	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. Wash off immediately with soap and plenty of water. Consult a physician if necessary.
Eyes:	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. Call a physician immediately. If symptoms persist, call a physician
Ingestion:	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Clean mouth with water and drink afterwards plenty of water. Call a physician.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	No data available
Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous thermal (de)composition products:	Carbon oxides. Nitrogen oxides (NO _x).

Special Fire Fighting Procedures:	Protective equipment and precautions for firefighters.
Flash Point:	251.2°C

Section 6: Accidental Release Measures




Personal Precautions:	Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.
Methods for Clean-up:	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. Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

SECTION 7: Handling & Storage

Storage:	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at 4°C.
Handling:	Avoid contact with skin, eyes, or clothing. Wash contaminated clothing before reuse. Do not eat, drink, or smoke when using this product. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Use with local exhaust ventilation. Corrosive hazard. Wear protective gloves/clothing and eye/face protection. Handle in accordance with good industrial hygiene and safety practice.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	
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	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.
Skin and Body:	  <p>Wear protective gloves and protective clothing.</p>
Eyes:	 <p>Tight sealing safety goggles. Face protection shield.</p>
Ventilation/Engineering Measures:	Showers, Eyewash stations, Ventilation systems
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	White or cream-colored powder
Formula	$C_{15}H_{23}NO_4$
Molecular Wt.	281.35
Melting Pt.	110°C
Boiling Pt.	491.8°C
Density:	1.1 g/cm ³
Vapor Pressure:	0 mmHg
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	Soluble in chloroform, Ethanol, and Methanol
Flash Point:	251.2°C

Autoignition Temp:	No data available
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SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon oxides, Nitrogen oxides (NOx)
Materials to Avoid:	Strong oxidizing agents
Conditions to avoid:	Extremes of temperature and direct sunlight

SECTION 11: Toxicological Information

RTECS#:	N/A
ACUTE Toxicity:	Acute toxicity - Oral (Category 1) Germ Cell Mutagenicity (Category 2) Reproductive toxicity (Category 1B) LD50 Oral = 2 mg/kg (Rat)
CHRONIC Toxicity:	Suspected of causing genetic defects. May damage fertility or the unborn child.
Chronic Exposure: Carcinogen: Mutagen: Teratogen: Reproductive:	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. AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA

SECTION 12: Ecological Information

Ecotoxicity:	Toxic to aquatic life with long lasting effects.
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	Do not allow undiluted product or large quantities of it to reach groundwater, water course or sewer system. Do not allow materials to be released into the environment without proper government permits.

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Contaminated Packaging:	Do not reuse container. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transportation Information

UN ID#:	UN2811
ADR / RID (LAND):	TOXIC SOLID, ORGANIC, N.O.S. (CYCLOHEXIMIDE) Class 6.1 Packing I
DOT regulations:	TOXIC SOLID, ORGANIC, N.O.S. (CYCLOHEXIMIDE) Class 6.1 Packing I
IMDG/IMO (SEA):	TOXIC SOLID, ORGANIC, N.O.S. (CYCLOHEXIMIDE) Class 6.1 Packing I
IATA/DGR (AIR):	TOXIC SOLID, ORGANIC, N.O.S. (CYCLOHEXIMIDE) Class 6.1 Packing I
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	H300: Acute oral toxicity, fatal if swallowed Cat.1 H341: Germ Cell Mutagenicity, suspected of causes genetic defects Cat. 2 H360/H360F/H360D/H360FD: reproductive Toxicity Category, may damage fertility and/or unborn child Cat.1B
Risk Phrases:	P307+P311 IF exposed or concerned: Get medical advice/attention P301+P311 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Safety Phrases:	P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P281 Use personal protective equipment as required P264 Wash face, hands, and any exposed skin thoroughly after handling P270 Do not eat, drink, or smoke when using this product P405 Store locked up
EU Regulations:	N/A
US Regulations:	TSCA: No products listed

	<p>California Proposition 65: Cycloheximide (CAS 66-81-9) is listed as having developmental toxicity (January 1, 1989).</p> <p>New Jersey State Right to Know: Cycloheximide (CAS 66-81-9) Massachusetts State Right to Know: Cycloheximide (CAS 66-81-9) Pennsylvania State Right to Know: Cycloheximide (CAS 66-81-9)</p>
U.S. Federal Regulations:	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found</p> <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No Products were found.</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

LIABILITY STATEMENT: *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*