

# Material Safety Data Sheet

## Cycloheximide, 95%

ACC# 03795

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Cycloheximide, 95%

**Catalog Numbers:** AC357420000, AC357420010, AC357420050

**Synonyms:** Actidione.

**Company Identification:**

Acros Organics N.V.

One Reagent Lane

Fair Lawn, NJ 07410

**For information in North America, call:** 800-ACROS-01

**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
66-81-9	Cycloheximide	95	200-636-0

**Hazard Symbols:** T+ N

**Risk Phrases:** 28

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance:** white to beige powder. May cause harm to the unborn child. **Danger!** May be fatal if swallowed.

**Target Organs:** Kidneys, cardiovascular system, nerves.

#### Potential Health Effects

**Eye:** May cause eye irritation. Causes redness and pain.

**Skin:** May cause skin irritation. May cause dermatitis. May be harmful if absorbed through the skin.

**Ingestion:** May be fatal if swallowed. May cause central nervous system effects. Ingestion may cause headache, nausea, and vomiting.

**Inhalation:** May be harmful if inhaled.

**Chronic:** Possible risk of irreversible effects. Possible risk of harm to the unborn child.

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid immediately. Wash mouth out with water.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: ; Flammability: ; Instability:

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

### Section 7 - Handling and Storage

**Handling:** Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not store near combustible materials.  
**Storage:** Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cycloheximide	none listed	none listed	none listed

**OSHA Vacated PELs:** Cycloheximide: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Not available.

**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

## Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Appearance:** white to beige

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** 107.00 - 120.00 deg C

**Decomposition Temperature:** Not available.

**Solubility:** 2.1 g/100ml (2°C)

**Specific Gravity/Density:** Not available.

**Molecular Formula:** C<sub>15</sub>H<sub>23</sub>NO<sub>4</sub>

**Molecular Weight:** 281.1653

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Dust generation.

**Incompatibilities with Other Materials:** Strong oxidizing agents, strong bases, acid chlorides, acid anhydrides.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

### RTECS#:

**CAS#** 66-81-9: MA4375000

### LD50/LC50:

**CAS#** 66-81-9:

Draize test, rabbit, skin: 1 pph/24H Moderate;

Oral, mouse: LD50 = 133 mg/kg;

Oral, rat: LD50 = 2 mg/kg;

### Carcinogenicity:

**CAS#** 66-81-9: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

**Epidemiology:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Neurotoxicity:** No data available.

**Mutagenicity:** No data available.

**Other Studies:** Zie de feitelijke inbreng in RTECS voor volledige informatie. De toxicologische eigenschappen zijn niet volledig bestudeerd.

## Section 12 - Ecological Information

**Ecotoxicity:** No data available. No information available.

**Environmental:** log Pow = 0.6

**Physical:** No information available.

**Other:** No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
<b>Shipping Name:</b>	No information available.				No information available.
<b>Hazard Class:</b>					
<b>UN Number:</b>					
<b>Packing Group:</b>					

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 66-81-9 is not listed on the TSCA inventory. It is for research and development use only.

#### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

#### SARA

#### CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

#### SARA Section 302 Extremely Hazardous Substances

CAS# 66-81-9: 100 lb TPQ (lower threshold); 10000 lb TPQ (upper thresh old)

#### SARA Codes

CAS # 66-81-9: acute, chronic.

#### Section 313

No chemicals are reportable under Section 313.

#### Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

#### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### STATE

CAS# 66-81-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

WARNING: This product contains Cycloheximide, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

##### Hazard Symbols:

T+ N

##### Risk Phrases:

R 28 Very toxic if swallowed.

R 61 May cause harm to the unborn child.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 68 Possible risk of irreversible effects.

##### Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 53 Avoid exposure - obtain special instructions before use.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

#### WGK (Water Danger/Protection)

CAS# 66-81-9: 3

#### Canada - DSL/NDSL

None of the chemicals in this product are listed on the DSL or NDSL list. **Canada - WHMIS**

This product does not have a WHMIS classification.

**Canadian Ingredient Disclosure List**

**Exposure Limits**

**Section 16 - Additional Information**

**MSDS Creation Date:** 1/16/2002

**Revision #2 Date:** 1/28/2003

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.*