

SECTION 1: IDENTIFICATION

**1.1 Product Identifier**

Product Name

HCR™ Gold Detect A

**1.2 Product identified uses of the substance or mixer and uses advised against**

Identified uses

For research use only. Not for diagnostic use.

**1.3 Details of the supplier of the data sheet**

Supplier

Molecular Instruments, Inc.  
5015 Eagle Rock Blvd Suite 301  
Los Angeles, CA 90041  
Tel: (626) 210-2600

SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

Not a hazardous substance of mixture

**2.2 GHS label elements including precautionary statements**

Not a hazardous substance of mixture

**2.3 Other hazards not covered by GHS**

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Chemical Characterization**

Mixtures

**3.2 Dangerous Components**

Chemical Name	CAS-No	EINECS-No	Weight %
Modified alkyl carboxylate	-	-	<1%
Mixture of 5-Chloro-2-Methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)	55965-84-9	911-418-6	<1%

SECTION 4. FIRST-AID MEASURES

**4.1 Description of first aid measures**

General information

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation

Allow victim to breath fresh air. Allow the victim to rest. Get medical attention if symptoms occur.



Ingestion

Rise mouth. Do not induce vomiting without medical advice. Drink plenty of water. Consult a physician.

Skin Contact

Rise immediately with plenty of water. Get medical attention if symptoms occur.

Eye Contact

Flush immediately with plenty of water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses if present.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2.2 and/or in Section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Water fog. Carbon dioxide (CO<sub>2</sub>). Foam. Dry extinguishing powder.

#### 5.2 Special hazards

Carbon oxides. Vapors are heavier than air and may spread along floors. Development of hazardous combustion gases or vapors possible in the event of fire.

#### 5.3 Advice for fire fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### 5.3 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection, see Section 8.

#### 6.2 Environmental Precautions

Should not be released into the environment. Prevent product from entering drains.

#### 6.3 Methods and material for containment and clean up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see Sections 7 and 10). Take up with liquid-absorbent and neutralizing material. Dispose of properly. Clean up affected area.

#### 6.4 Reference to other sections

For disposal, see Section 13.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Provide good ventilation in the process area. Always wear recommended personal protective equipment. Avoid contact with skin, eyes, and clothing.

#### 7.2 Conditions for safe storage, including and incompatibles

Keep container tightly closed in a dry and well-ventilated place. Keep away from combustible material as well strong acids and strong bases. Keep away from food and drink. Protect pressurized gas bottles against overturning.

#### 7.3 Specific end use(s)

For research use only.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Exposure Limits

Does not contain substances above concentration limits fixing an occupational exposure limit.

#### 8.2 Exposure controls

General protection and hygiene measures:

When using, do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

Apply skin care products after work.

Wash contaminated clothing prior to reuse.

Personal protection equipment:

Wear Protective gloves/protective clothing and eye/face protection. Only wear fitting, comfortable, and clean protective clothing.

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection:

Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374.

Eye/face protection:

Tightly sealed safety glasses.

Body protection:

Wear suitable protective clothing.

Environmental exposure controls:  
Should not be released in the environment. Prevent product from entering drains.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Odor:	No information available
Odor threshold:	No information available
pH:	No information available
Melting point/freezing point:	No information available
Initial boiling point and boiling range:	No information available
Flash point:	No information available
Evaporation rate:	No information available
Flammability rate:	No information available
Upper/lower flammability or explosive limits:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative density:	No information available
Solubility(ies):	No information available
Partition coefficient:	No information available
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
Viscosity:	No information available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No information available

### 10.2 Chemical Stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No information available

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

Oxidizing agents. Reducing agents.

### 10.6 Hazardous decomposition products

No information available

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Toxicological information  
Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LD50 (inhalation, rat/mouse)
Modified alkyl carboxylate	Not Listed	Not Listed	Not Listed
Mixture of 5-Chloro-2-Methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)	66 mg/kg (rat)	87.12 mg/kg (rabbit)	0.171 mg/L (4h) Aerosol

Principle Routes of exposure

Inhalation

May be harmful inhaled

Ingestion

May be harmful if swallowed.

Skin contact

Frequently or prolonged contact with skin may cause dermal irritation.

Eye contact

May cause eye irritation in susceptible persons.

Carcinogenetic effects

None

Mutagenic effects

None

Reproductive toxicity

None

Sensitization

None

Target organ effects

None

Other adverse effect

None

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

Chemical Name	Freshwater algae Data	Water Flea Data	Freshwater Fish Species Data	Log Pow
Modified alkyl carboxylate	-	-	-	-
Mixture of 5-Chloro-2-Methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)	-	LC50 0.18 mg/L (48h) Daphnia magna NOEC 0.1 mg/L (21d) Daphnia magna	LC50 0.19 mg/L (96h) Oncorhynchus mykiss NOEC 0.098/mg L (35d) Oncorhynchus mykiss	

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulation potential

No information available.

### 12.4 Mobility in the soil

No information available.



### 12.5 Other adverse effects

No information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product shall comply with all the requirements of all applicable local, regional, national/federal regulations.

## SECTION 14. TRANSPORT INFORMATION

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport shipping name	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazards	Not applicable

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

### SARA 313

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

### US State Regulations

#### Massachusetts Right to Know

No components are subject to the Massachusetts Right to Know Act.

#### Maine Chemicals of High Concern

Product does not contain any listed chemicals.

#### Vermont Chemicals of High Concern

Product does not contain any listed chemicals.

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals.



## SECTION 16. OTHER INFORMATION

### **Abbreviations and acronyms**

TWA - Time-Weighted Average  
OELs - Occupational Exposure Limits  
STEL - Short Term Exposure Limit

OSHA - Occupational Safety and Health Administration of the US Department of Labor  
ACGIH - American Conference of Governmental Industrial Hygienists  
NIOSH - National Institute for Occupational Safety and Health

### **Disclaimer**

The above information is believed to be correct but shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Molecular Instruments, Inc. cannot control the actual methods, volumes, or conditions of use, Molecular Instruments, Inc. shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this safety data sheet (SDS) does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See [www.hcrimaging.com/legal/terms](http://www.hcrimaging.com/legal/terms) for our terms of sale.