

# Material Safety Data Sheet

according to EC-Regulation No. 1272/2008

updated: 02/2016

Version: 1.0

## Section I - Product and Company Information

Product Name	Coelenterazine h
Product Number	PK-CA707-10111
Product Classification	Cell Biology Reagents
Company and Contact Information	PromoCell GmbH Sickingenstrasse 63/65 69126 Heidelberg Germany Phone : +49 6221 649 34 0 E-mail : info@promokine.info

## Section II - Hazard Information

Product Name/ Chemical Name	CAS Number	EC-No.	Weight %	Classification according to regulation (EC)No1278/2008
Coelenterazine	50909-86-9	--	≥ 95% (Coelenterazine)	-

## Section III - Formulation and Ingredients Information

Component	Description	Volume	Safety Information
Coelenterazine	Solid	50 µg	See below

### Coelenterazine

Classification according to Regulation (EC) No 1272/2008[CLP]: none

Labelling according to Regulation (EC) No 1272/2008[CLP]

Pictogram:



Signal word: Warning

Hazard statement(s):

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation.

Precautionary statement(s):

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMS Classification

Health hazard: 2

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

## Section IV - First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.  
**In case of eye contact:** Flush eyes with water as a precaution.  
**If swallowed:** DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## Section V – Fire-Fighting Measures

**Suitable extinguishing media:** carbon dioxide, dry chemical extinguishers, foam extinguishers or water.  
**Special protective equipment for firefighters:** Wear self contained breathing apparatus for firefighting if necessary.

## Section VI - Accidental Release Measures

**Personal precautions:** Avoid breathing vapors, mist or gas. Remove all sources of ignition.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
**Methods for cleaning up:** Contain spillage. Soak up spilled substance with inert absorbent material. Keep in suitable, closed containers for disposal.

## Section VII - Handling and Storage

**Precautions for safe handling:** Avoid inhalation of vapor or mist. Avoid direct contact with substance.  
**Conditions for safe storage:**  
Keep container tightly closed in a dry and well-ventilated place.  
Store desiccated at -20 °C. Solution susceptible to oxidation by air.

## Section VIII - Personal Protection and Exposure Control Information

Components	CAS Number	Limit value	Amount	Country
Coelenterazine	50909-86-9	No information available		

### Personal protective equipment

#### Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section IX - Physical and Chemical Properties

Property	Coelenterazine
Appearance:	Yellow orange solid
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Melting Point/ Freezing Point:	No data available

<b>Boiling Point:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Evaporate rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Explosive Limits:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility:</b>	Soluble in MeOH or EtOH
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-Ignition Temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidising Properties:</b>	No data available

## Section X - Chemical Stability and Reactivity

Property	Coelenterazine
<b>Chemical Stability:</b>	Stable under recommended storage conditions
<b>Possibility of hazardous reactions:</b>	Not available
<b>Conditions to Avoid:</b>	Heat, flames and sparks
<b>Materials to Avoid:</b>	DMSO. Light.
<b>Hazardous decomposition products:</b>	Under fire conditions: Carbon oxides Other: no data available

## Section XI - Toxicological Data

### Coelenterazine

#### Acute toxicity

Oral LD50: None

Inhalation LC50: None

Dermal LD50: None

Other information on acute toxicity: no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

#### 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.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity – single exposure (Globally Harmonized System):** Inhalation - May cause respiratory irritation.

**Specific target organ toxicity – repeated exposure (Globally Harmonized System):** no data available

**Aspiration hazard:** no data available

#### Potential health effects

**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion:** May be harmful if swallowed.

**Skin:** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes:** Causes eye irritation.  
**Additional Information:** RTECS: None

## Section XII - Ecological Information

**Coelenterazine:**

**Persistence and degradability:** no information available

**Toxicity:** no information available

**Mobility in soil:** no information available

**PBT and vPvB assessment:** no information available

**Other adverse effects:** no information available

## Section XIII - Disposal

Do not dispose product directly into sewage. Consult local state or national regulation for proper disposal.

## Section XIV - Transport Information

**Coelenterazine:**

**DOT (US), IMDG, IATA:** not dangerous good during transportation

## Section XV - Classification and Regulatory Information

**Us Toxic Substances Control Act (TSCA):** Not listed

**SARA 302:** No chemicals were found.

**SARA 313:** No chemicals were found.

**SARA 311/312 Hazards:** Coelenterazine: Acute Health Hazard

**EU Regulations:** None

## Section XVI - Other Information / Disclaimer

The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. PromoCell GmbH shall not be held liable for any damage resulting from handling or contact with the above product.

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FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

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