

**Safety Data Sheet (SDS)**

Version 1.1

Reviewed on 1.10.2024

**1. Chemical and Company Identification**

Product Name: Detection Diluent

Product Use: Research Laboratory Use

Manufacturer/Supplier: CytoDiagnostics Inc.

919 Fraser Drive, Unit 11, Burlington, Ontario, Canada, L7L 4X8

Phone: (866) 344-3954

Web: <http://www.cytodiagnosics.com>Information and Support: [customer\\_service@cytodiagnosics.com](mailto:customer_service@cytodiagnosics.com)**2. Hazards Identification*****Classification of the substance or mixture***Classification according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]  
Sensitization, skin - Category 1***Label elements******Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]******Signal Word***

Warning

***Hazard statements***

H317 - May cause an allergic skin reaction.

***Precautionary Statements - EU (§28, 1272/2008)***

P261 Avoid breathing dust/fumes/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

***Other information***

No information available

**3. Composition/ Information on Ingredients*****Substances***

Not applicable

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**Components**

Proclin™ 300 (Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-One);  
CAS# 55965-84-9

**4. First Aid Measures**

***In case of skin contact:*** Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. Wash off immediately with soap and plenty of water

***In case of ingestion:*** Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth.

***In case of eye contact:*** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

***If case of inhalation:*** Move to fresh air. If symptoms persist, call a physician.

***Protection of first aiders:*** Use personal protective equipment.

***Notes to physician:*** May cause sensitization of susceptible persons.

**5. Fire Fighting Measures*****Suitable extinguishing media***

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

***Extinguishing media which shall not be used for safety reasons***

No information available

***Special hazard***

None in particular

***Protective equipment and precautions for firefighters***

As in any fire, wear self-contained breathing apparatus and full protective gear

**6. Accidental Release Measures*****Personal precautions***

Use personal protective equipment. Avoid contact with the skin and the eyes.

*See Section 12 for additional information*

***Environmental precautions***

Prevent entry into waterways, sewers, basements, or confined areas. Do not flush into surface water or sanitary sewer system

***Methods and materials for containment and cleaning up***

Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust)

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**7. Handling and Storage**
***Precautions for safe handling***

Ensure adequate ventilation. Wear personal protective equipment.

***Conditions for safe storage, including any incompatibilities***

Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place.

***Specific end uses***

Specific use(s): No information available

Exposure scenario: No information available

**8. Exposure Controls/Personal Protection**
***Control parameters***

Exposure limits: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Derived No Effect Level (DNEL): No information available

Predicted No Effect Concentration (PNEC): No information available

***Exposure controls***

Engineering measures: Ensure adequate ventilation, especially in confined areas

***Personal protective equipment***

Eye protection: Tightly fitting safety goggles

Hand protection: Protective gloves

Skin and body protection: Long sleeved clothing.

Respiratory protection: No special protective equipment required

Thermal hazards: No information available

Hygiene measures: When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use.

Environmental exposure controls: Do not allow material to contaminate ground water system.

**9. Physical and Chemical Properties**

Appearance:	no data available	Physical State at 20°C:	Liquid
Odor:	no data available	Vapor pressure:	no data available
Odor threshold:	no data available	Vapor density:	no data available
pH:	no data available	Relative density:	no data available
Melting Point/Freezing point:	no data available	Solubility:	no data available
Boiling point/boiling range:	no data available	Specific Gravity:	no data available
Flash points:	no data available	Auto-ignition temperature:	no data available
Evaporation rates:	no data available	Decomposition temperature:	no data available
Flammability (solid; gas):	no data available	VOC Content (%):	no data available

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**10. Stability and Reactivity****Reactivity:** No information available**Chemical stability:** Stable under normal conditions**Possibility of hazardous reactions:** None under normal processing**Conditions to avoid:** Heat, flames, and sparks**Incompatible materials:** None in particular**Hazardous decomposition products:** None under normal use**11. Toxicological Information****Acute Toxicity**

Product does not present an acute toxicity hazard based on known or supplied information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Proclin 300	53 mg/kg (Rat)	-	-

**Chronic Toxicity**

Carcinogenicity: This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B)

Target Organ Effects: Eyes. Respiratory system. Skin.

**12. Ecological Information****Ecotoxicity:** Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants**Persistence and degradability:** No information available**Bioaccumulative potential:** No information available**Mobility in soil:** No information available**Results of PBT and vPvB assessment:** No information available**Other adverse effect:** No information available

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**13. Disposal Considerations*****Waste from residues / unused products***

Dispose of in accordance with local regulations

***Contaminated packaging***

Empty containers should be taken to an approved waste handling site for recycling or Disposal

***Other information***

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

**14. Transport Information**

<b><i>IMDG/IMO</i></b>	Not dangerous goods
<b><i>IATA</i></b>	Not dangerous goods
<b><i>ADR</i></b>	Not dangerous goods
<b><i>RID</i></b>	Not dangerous goods
<b><i>ICAO</i></b>	Not dangerous goods

**15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010

***Safety, health and environmental regulations/legislation specific for the substance or mixture***

No information available

***Chemical Safety Assessment***

No information available

**16. Other information**

This product is for laboratory research purposes, not for diagnostic or therapeutic use in humans or animals.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should make independent decisions regarding completeness of the information based on all sources available. Cytodiagnostics Inc. shall not be held liable for any damage resulting from handling or contact with the above product.

**End of MSDS**