SAFETY DATA SHEET

Section 1: Identification

Product Identifier: All Antibodies with #RMEA symbols
Relevant Identified Uses of Substance or Mixture and Uses Advised Against:
Recommended Use: For Research Use Only
Uses Advised against: No information

Company:
Assay Genie
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Section 2: Hazard(s) Identification

2.1. Hazard Classification
Classification according to Regulation (EC) No 1272/2008 [GHS/CLP]
Sensitization, skin - Category 1

Signal Word(s): WARNING
Pictograms:



Hazard Statements:
H317: May cause an allergic skin reaction.

Precautionary Statements:
P261: Avoid breathing dust/fumes/gas/mist/vapours/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.

2.2. Description of other hazards
None

Section 3: Composition/ Information on Ingredients

Chemical Name	Physical form	Concentration	CAS#
Proclin 3000	Odorless and colorless, liquid	0.05%	55965-84-9

Section 4: First-Aid Measures

4.1. General Advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1. After skin contact
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician**.**

4.2. After eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.3. After inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.5. After swallowing
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire-Fighting Measures

5.1. Suitable extinguishing agents
Water spray, alcohol-resistant foam, dry chemical, carbon dioxide or appropriate foam. For small fires, use media such as “alcohol” foam, dry chemical or carbon dioxide. For large fires, apply water from as far as possible. Use large quantities of water applied as a mist or spray. Solid streams of water may be ineffective. Cool affected containers with flooding quantities of water.

5.2. Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and Eyes.

5.3. Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas.

Section 6: Accidental Release Measures

6.1. Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2. Measures for environmental protection
Prevent further leakage or spillage if safe to do so. Do not let enter drains. Discharge into the environment must be avoided.

6.3. Measures for containment and cleaning
Contain spillage, and then collect with non-combustible absorbent material (e.g., sand, diatomaceous earth, vermiculite). Place in a container for disposal according to local regulations. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

7.1. Advice Handling

- Wear appropriate protective clothing and safety gloves.
- Avoid inhalation.
- Avoid contact with eyes, skin and clothing.
- Mechanical exhaust required.
- Keep away from ignition sources, heat and flame.
- No smoking at working site.
- Incompatibilities: Strong oxidizing agents, Strong acids. Handling and unloading should be light, to prevent packaging
- broken, damp and cause losses.
- Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage
- emergency treatment equipment.

7.2. Storage conditions

- Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Keep away from heat, sparks and flame.
- Keep away from sources of ignition.
- Incompatible: Strong oxidizing agents, Strong acids.
- Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

Section 8: Exposure Controls/Personal Protection

8.1. Engineering Controls
Mechanical exhaust required. Safety shower and eye bath.

8.2. Personal Protective Equipment

- **Respiratory:** Government approved respirator if needed.
- **Eye/face:** Chemical safety goggles if needed.
- **Clothing:** Wear appropriate protective clothing.
- **Hand/skin:** Protective 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.
- **Body protection:** Wear suitable protective clothing according to the concentration and amount of the substance at the workplace.

8.3. Other Protection
No smoking, drinking and eating at working site. Wash thoroughly after handling.

Section G: Physical and Chemical Properties

G.1. Information about the physical and chemical properties of the product
<u>Proclin 300</u>

- **Appearance: Liquid**
- **Odour:** No data available
- **Odour threshold:** No data available
- pH 4.1 at 100 g/L
- **Melting point/freezing point:** -40 °C
- **Initial boiling point and boiling range:** 189 °C
- **Flash point:** 118 °C - closed cup
- **Evaporation rate:** No data available
- **Flammability (solid, gas):** No data available
- **Upper/lower flammability or explosive limits:** No data available
- **Vapour pressure:** No data available
- **Vapour density:** No data available
- **Relative density:** 1.03 g/cm^3
- **Water solubility:** Soluble
- **Partition coefficient:** noctanol/water: No data available
- **Auto-ignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Viscosity:** No data available
- **Explosive properties:** No data available
- **Oxidizing properties:** No data available

Section 10: Stability and Reactivity

10.1. Information about the stability and reactivity

- **Reactivity:** No data available.
- **Chemical stability**: Stable under recommended storage conditions
- **Conditions to avoid:** Heat, flames and sparks.
- **Incompatible materials:** Strong oxidizing agent, Light sensitive, Alcohols, Organic materials, Heavy metals, Powdered metals, Strong reducing agents, Amines, Mercaptans.
- **Hazardous decomposition products:** Other decomposition products: No data available Hazardous decomposition products formed under fire conditions: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas.

Section 11: Toxicological Information

11.1. Acute toxicity:

Proclin 300

- LD50 Oral - Rat - 862 mg/kg
- LD50 Dermal - Rabbit - 2,800 mg/kg
- Skin corrosion/irritation
- Skin - Rabbit Result: Corrosive Serious eye damage/eye irritation
- Eyes - Rabbit Result: Corrosive to eyes
- Respiratory or skin sensitisation - Guinea pig Result: May cause sensitisation by skin contact.

11.2. Carcinogenicity

Proclin 300

- 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.

Section 12: Ecological Information

12.1. Ecotoxicity

No data available.

12.2. Mobility in soil

No data available.

12.3. Biodegradation

No data available.

12.4. Bioaccumulation

No data available.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available.

Section 13: Disposal Considerations

13.1. Disposal methods
Dispose of waste in accordance to applicable national, regional, or local regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

13.2. Contaminated packaging
Dispose in the same manner as unuse product.

Section 14: Transport Information

- **RID/ADR:** Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.
- **IATA: Non-Hazardous for Air Transport:** Non-Hazardous for Air Transport.
- **IMO: Non-Hazardous for Sea Transport:** Non-Hazardous for Sea Transport.

Section 15: Regulatory Information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 and its amendments.

Section 16: Other Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guild only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislation. The absence of warning must not, under and circumstance be taken to mean that no hazard exists.

Last reviewed: 07/2025

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****End Of MSDS****