

SAFETY DATA SHEET

Countable Matrix Kit

SECTION 1: Identification

GHS Product identifier

Product name : Countable Matrix Kit
Product number : KT0003
Kit Component : MRO1 Matrix Reagent (PRO001), MRO2 Matrix Reagent (PRO002),
MRO3 Matrix Reagent (PRO003)

Recommended use of the chemical and restrictions on use

Identified Use : For use with the Countable PCR Platform for emulsion generation

Supplier's details

Company Name : Countable Labs, Inc.
1810 Embarcadero Road, Suite 200
Palo Alto CA 94303
United States
Telephone : +1 (650) 665-7953
Website : www.countablelabs.com

For research use only. Not for use in diagnostic procedures

SECTION 2: Hazard identification

Hazard Classification (GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

Signal Word

Warning

Hazard Pictograms

None.

Health Hazards

Not Hazardous.

Physical Hazards

Flammable Liquids, Category 4

Environmental Hazards

Not Hazardous

Hazard Statements

H227 — Combustible liquid

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P280	Wear protective gloves/eye protection/face protection
P370+P378	In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to licensed waste disposal facility.

SECTION 3: Composition/information on ingredients

Mixtures

Components

1. Component 1 (trade secret)*

Concentration: 90 % (weight)*

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

Skin Contact:	Rinse skin with water. Immediate medical attention is not required.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Notes to Physician:	Treat symptomatically.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of immediate medical attention and special treatment needed, if necessary

None.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray. Carbon dioxide (CO₂). Alcohol-resistant foam. Dry chemical.

Unsuitable extinguishing media

No information available.

Specific hazards arising from the substance or chemical

None

Protective equipment and precautions for firefighters

Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Avoid breathing gas, mist, vapors, spray. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep away from heat and sources of ignition.

For personal protection see section 8.

Environmental precautions

Should not be released into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

See section 13 for more information.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. No special handling advice are necessary.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

For research use only.

SECTION 8: Exposure controls/personal protection

Engineering measures

Ensure adequate ventilation, especially confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment (PPE)

Eye/face protection:	Wear sealing safety glasses.
Hand protection:	Wear suitable gloves. Gloves material - compatible chemical-resistant gloves.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
Respiratory protection:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hygiene Measure: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls: Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Liquid
Odor:	Slight
Odor threshold:	No data
pH:	No data
Melting point/freezing point:	No data
Boiling point/boiling range:	No data
Flash point:	72 °C - Closed Cup for MR03, 74 °C - Closed Cup for MR02
Auto-ignition temperature:	350 °C for MR02
Decomposition temperature:	No data
Evaporation rate:	No data
Flammability (solid, gas):	Combustible liquid and vapor for MR02
Upper flammable or explosive limits:	No data
Lower flammable or explosive limits:	No data
Vapor pressure:	No data
Vapor density:	No data
Relative density:	No data
Specific density:	No data
Solubility:	No data
Partition coefficient; n-octanol/water:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidizing properties:	No data
Other information:	No data

SECTION 10: Stability and reactivity

Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reaction has not been reported.

Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Oxidizing agents.

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact.

Components:

MR02, MR03

LD50 Skin - Rat - > 2,000 mg/kg

LD50 Oral - Rat - > 2,000 mg/kg

LC50 Inhalation - Rat - 5080 mg/l — 6h

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion. Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Skin corrosion/irritation

No data available.

Serious eye damage/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 a carcinogen or potential 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.

Summary of evaluation of the CMR properties

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Endocrine disrupting properties

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Waste Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

DOT (US)

If shipped in bulk package, it is regulated by DOT.

UN Number: 1993

Class: None

Packing Group: III

Proper Shipping Name: Combustible liquid, n.o.s.

IATA / ADR / IMDG

Not classified as dangerous in the meaning of transport regulations

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question.

U.S. Federal Regulations

SARA 302 Components	Not applicable
SARA 313 Components	Not applicable
SARA 311/312 Hazard	Fire Hazard
Clean Air Act	Not Applicable

U.S. Federal Regulations

California Prop. 65 Components	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
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SECTION 16: Other information

Further information/disclaimer

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information 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 the Company cannot control the actual methods, volumes, or conditions of use, the Company 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 SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.