

SAFETY DATA SHEET

According to OSHA HazCom 2012
Revision Date 01-Apr-2018**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product identifier****Product Name** Multi Calibrator Lipids**Other means of identification****Product Code** 464-01601**Recommended use of the chemical and restrictions on use****Recommended Use** For In Vitro Diagnostic Use.**Uses advised against** No information available**Details of the supplier of the safety data sheet****Manufacturer Address**FUJIFILM Wako Pure Chemical Corporation
1-2, Doshomachi 3-Chome,
Chuo-ku Osaka 540-8605, Japan
Tel : +81-6-6203-3741
Fax: +81-6-6203-4640**Distributor**FUJIFILM Wako Diagnostics U.S.A. Corporation
Address : 1025 Terra Bella Ave., Mountain View, CA 94043 U.S.A.
Tel : 877-714-1924**Emergency telephone** 800-424-9300 (CHEMTREC)**2. HAZARDS IDENTIFICATION****GHS classification****Classification of the substance or mixture****Skin sensitization**

Category 1

Pictograms**Signal word**

Warning

Hazard statements

H317 - May cause an allergic skin reaction

Precautionary statements-(Prevention)

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Protective gloves

Precautionary statements-(Response)

- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse.

Precautionary statements-(Storage)

- Not applicable

Precautionary statements-(Disposal)

- Dispose of contents/container to an approved waste disposal plant

Others

Other hazards Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Mixture

| Chemical Name | Molecular weight | CAS No | Weight-% |
|--------------------------------------|------------------|------------|----------|
| 5-Chloro-2-methyl-3-isothiazol-3-one | 149.59 | 26172-55-4 | < 1% |
| 2-Methyl-2H-isothiazol-3-one | 115.15 | 2682-20-4 | < 1% |

Impurities and/or Additives : Not applicable

4. FIRST AID MEASURES

First aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water.

Inhalation Remove to fresh air.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing media

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

Unsuitable Extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge none.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods and material for containment and cleaning up Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE**Precautions for safe handling**

Protective measures Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage conditions Store away from sunlight in a cool (2-10 °C) well-ventilated dry place.

Packaging materials Glass.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

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

Personal protective equipment

Respiratory protection Protective mask
Hand protection Protection gloves
Eye protection protective eyeglasses or chemical safety goggles
Skin and body protection Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Form**

| | |
|---|-------------------|
| Appearance | lyophilisate |
| Odor | No data available |
| pH | 7.5 |
| Melting point/freezing point | No data available |
| Boiling point, initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate: | No data available |
| Flammability (solid, gas): | No data available |

Upper/lower flammability or explosive limits

| | |
|---|-------------------|
| Upper : | No data available |
| Lower : | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Specific Gravity / Relative density | No data available |
| Solubilities | No data available |
| n-Octanol/water partition coefficient:(log Pow) | No data available |
| Auto-ignition temperature: | No data available |
| Decomposition temperature: | No data available |
| Viscosity (coefficient of viscosity) | No data available |
| Dynamic viscosity | No data available |

10. STABILITY AND REACTIVITY**Stability**

| | |
|---|--|
| Stability | Stable under recommended storage conditions. |
| Reactivity | No data available |
| Hazardous reactions | None under normal processing |
| Conditions to avoid | No information available |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | No information available |

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|-------------------|-------------|-----------------------|
| 5-Chloro-2-methyl-3-isothiazol-3-one | 481 mg/kg (Rat) | N/A | 1.23 mg/L (Rat) 4 h |

| | |
|--|-------------------|
| Skin irritation/corrosion | No data available |
| Serious eye damage/ irritation | No data available |
| Respiratory or skin sensitization | No data available |
| Reproductive cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| STOT-single exposure | No data available |
| STOT-repeated exposure | No data available |
| Aspiration hazard | No data available |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|----------------------|------|----------------------------|-----------|
| | | | | |

| | | | |
|--|--|---|--|
| 5-Chloro-2-methyl-3-isothiazol-3-one 26172-55-4 | EC50:Pseudokirchneriella subcapitata 0.11 - 0.16 mg/L 72 h static EC50:Pseudokirchneriella subcapitata 0.03 - 0.13 mg/L 96 h static | LC50:Oncorhynchus mykiss 1.6 mg/L 96 h | EC50:Daphnia magna 4.71 mg/L 48 h EC50:Daphnia magna 0.12 - 0.3 mg/L 48 h EC50:Daphnia magna 0.71 - 0.99 mg/L 48 h |
|--|--|---|--|

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility

| Chemical Name | Partition coefficient |
|--|-----------------------|
| 5-Chloro-2-methyl-3-isothiazol-3-one 26172-55-4 | 0.75 |

Mobility in soil

No information available

Other Data

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Precautionary including method of disposing contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**DOT**

Not regulated

UN/ID No

-

Proper shipping name:

UN classification

Subsidiary hazard class

Packing group

Marine pollutant

Not applicable

IATA

Not regulated

UN/ID No

-

Proper shipping name:

UN classification

Subsidiary hazard class

Packing group

Environmentally Hazardous Substance

Not applicable

IMDG

Not regulated

UN/ID No

-

Proper shipping name:

UN classification

Subsidiary hazard class

Packing group

Marine pollutant (Sea)

Not applicable

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|--------|
| TSCA | Listed |
| DSL | Listed |
| NDSL | - |
| EINECS/ELINCS | Listed |
| ENCS | Listed |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any chemicals regulated by Proposition 65

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Revision Date 01-Apr-2018

Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet