SAFETY DATA SHEET

Product Identifier: Maxpar® Water for CyTOF® XT
Catalog ID numbers: Cat# 201242

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Contact information

General
Fluidigm Corporation
2 Tower Place, Suite 2000, South San Francisco, CA 94080
Main (U.S.): +1 (650) 266-6000
E-mail: techsupport@fluidigm.com

Emergency telephone number
+ (650) 266-6100 (outside US)
+ (866) 358-4354 (toll free)

Product identifier
Maxpar® Water for CyTOF® XT

Synonyms
None identified

Trade names
None identified

Chemical family
None identified

Relevant identified uses of the substance or mixture and uses advised against

For Research Use Only.

Note
This SDS is written to address potential worker health and safety issues associated with the handling of the formulated product/mixture. Workers manufacturing this product/mixture should consult the SDS of each hazardous ingredient for hazard information and handling recommendations.

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture
The classification and labeling listed below is for bulk formulation.

Globally Harmonized System [GHS]
Not classified

Label elements

GHS hazard pictogram
None required

GHS signal word
None required

GHS hazard statements
None required

GHS precautionary statements
None required

Other hazards
None required

Note
None required

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>EINECS/ELINCS#</th>
<th>Amount</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>N/A</td>
<td>100%</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
Note: The primary ingredient of this mixture is sterile water (100%).

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

<table>
<thead>
<tr>
<th>Description</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate Medical Attention Needed</td>
<td>No. It is unlikely that first aid will be required.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>It is unlikely that first aid will be required.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>It is unlikely that first aid will be required.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>It is unlikely that first aid will be required.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>It is unlikely that first aid will be required.</td>
</tr>
<tr>
<td>Protection of first aid responders</td>
<td>It is unlikely that first aid will be required.</td>
</tr>
</tbody>
</table>

Most important symptoms and effects, both acute and delayed: No information on significant adverse effects.

Indication of immediate medical attention and special treatment needed, if necessary: No information on significant adverse effects.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the substance or mixture: This material will not burn.

Flammability/Explosivity: No explosivity data identified. As product is an aqueous solution, it is not expected to be flammable.

Advice for firefighters: Wear full protective clothing and a self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode. Decontaminate all equipment after use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: If product is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment (see Section 8).

Environmental precautions: No special precautionary measures necessary.
SECTION 6 - ACCIDENTAL RELEASE MEASURES ... continued

Methods and material for containment and cleaning up
Stop leak if possible, without personal risk. Collect with absorbent into suitable container

Reference to other sections
See Sections 8 and 13 for more information.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling
Use in accordance with good industrial hygiene practices.

Conditions for safe storage
Store and handle in accordance with all current regulations and standards. Store at 2 to 8°C. Keep container closed when not in use. Keep separated from incompatible substances. Incompatibilities: acids, bases

Specific end use(s)
No information identified.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters/Occupational Exposure Limit Values
ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Exposure/Engineering controls
None required for normal handling of packaged product.

Respiratory protection
None required for normal handling of packaged product. If handling bulk formulation: Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls.

Hand protection
None required for normal handling of packaged product. If handling bulk formulation: Wear disposable nitrile or other impervious gloves. When the material is diluted in an organic solvent, wear gloves that provide protection against the solvent.

Skin protection
None required for normal handling of packaged product. No special clothing required.

Eye/face protection
None required for normal handling of packaged product.

Other protective measures
Wash hands in the event of contact with product, especially before eating, drinking or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors).
### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear Liquid.</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Colorless.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Odor threshold</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6.0 – 8.0 at 25 °C.</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>0 °C or 32 °F.</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>100 °C or 212 °F.</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
<td>Soluble.</td>
</tr>
<tr>
<td><strong>Solvent solubility</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water)</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No information identified.</td>
</tr>
<tr>
<td><strong>Molecular formula</strong></td>
<td>H₂O</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>18.015 g/mol</td>
</tr>
</tbody>
</table>
### SECTION 10 - STABILITY AND REACTIVITY

**Reactivity**
No reactivity hazard is expected.

**Chemical stability**
Stable at normal temperatures and pressure.

**Possibility of hazardous reactions**
Will not polymerize.

**Conditions to avoid**
Avoid contact with incompatible materials. Avoid excessive heat and ignition sources.

**Incompatible materials**
Acids, bases

**Hazardous decomposition products**
No information identified.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Information on toxicological effects**
No information on significant adverse effects

<table>
<thead>
<tr>
<th>Route of entry</th>
<th>Acute toxicity</th>
<th>Irritation/Corrosion</th>
<th>Sensitization</th>
</tr>
</thead>
<tbody>
<tr>
<td>No information on significant adverse effects</td>
<td>No information on significant adverse effects</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**STOT-single exposure**
No data available

**STOT-repeated exposure/Repeat-dose toxicity**
No data available

**Reproductive toxicity**
No data available

**Developmental toxicity**
No studies identified.

**Genotoxicity**
No studies identified.

**Carcinogenicity**
None of this product’s components are listed by ACGIH, IARC, NTP, DFG or OSHA.

**Aspiration hazard**
No data available.

**Human health data**
See “Section 2 - Other Hazards”
SECTION 12 - ECOLOGICAL INFORMATION

Toxicity
No information available for the product. No LOLI ecotoxicity data is available for this product.

Persistence and Degradability
No information is available for the product

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
Not performed.

Other adverse effects
No data available.

Note
No special precautions are necessary.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods
Dispose in accordance with all applicable regulations. Reprocess whenever possible.

SECTION 14 - TRANSPORT INFORMATION

Transport
Based on the available data, this product/mixture is not regulated as a hazardous material/dangerous good under EU ADR/RID, US DOT, Canada TDG, IATA, or IMDG.

UN number
None assigned.

UN proper shipping Name
None assigned.

Transport hazard classes and packing group
None assigned.

Environmental hazards
This product is not regulated as an environmental hazard or a marine pollutant.

Special precautions for Users
Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.
SAFETY DATA SHEET

Product Identifier: Maxpar® Water for CyTOF® XT  
Catalog ID numbers: Cat# 201242  
SDS ID: SDS-00034 Rev 01

SECTION 15 - REGULATORY INFORMATION

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

This SDS generally complies with the requirements listed under current guidelines in the US, EU, AU, NZ, CN, JP, PH, KR and CA. Consult your local or regional authorities for more information.

Chemical safety assessment

Not conducted.

TSCA status

Not listed.

SARA section 313

Not listed.

California proposition 65

Not listed.

Additional information

No other information identified.

SECTION 16 - OTHER INFORMATION

Full text of H phrases and GHS classifications

Not applicable.

Sources of data

Information from published literature and internal company data.

Abbreviations

ACGIH - American Conference of Governmental Industrial Hygienists; ADR/RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road/Rail; AIHA - American Industrial Hygiene Association; CAS# - Chemical Abstract Services Number; CLP - Classification, Labelling, and Packaging of Substances and Mixtures; DOT - Department of Transportation; EINECS - European Inventory of New and Existing Chemical Substances; ELINCS - European List of Notified Chemical Substances; EU - European Union; GHS - Globally Harmonized System of Classification and Labeling of Chemicals; IARC - International Agency for Research on Cancer; IDLH - Immediately Dangerous to Life or Health; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; NIOSH - The National Institute for Occupational Safety and Health; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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Revisions

Revision 01: CHG-004160
Summary of revision: new document release

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