**Section 1 - IDENTIFICATION**

**Product Identifier:** Control Line Fluid

**Manufacturer Part Number(s)**
102-0390, Advanta Dx Control Line Fluid, 10-pack (EUA IVD)

**Recommended Use**

*In vitro* Diagnostic kit for Emergency Use Authorization Only.

Fluidigm Corporation
2 Tower Place Suite 2000
South San Francisco, CA 94080
Main Phone: 650-266-6000
Email: Techsupport@fluidigm.com
Emergency Phone: +1-650-266-6100 (outside US)  
+1-866-358-4354 (toll free)

**Section 2 - HAZARDS IDENTIFICATION**

**GHS Classification**

No classification is assigned based on classification criteria. Review the entire data sheet for any additional information which did not result in a classification.

**GHS LABEL ELEMENTS**

**Symbol(s)**

None needed according to classification criteria.

**Signal Word**

None needed according to classification criteria.

**Hazard Statement(s)**

None needed according to classification criteria.

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria.

**Response**

None needed according to classification criteria.

**Storage**

None needed according to classification criteria.

**Disposal**

None needed according to classification criteria.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret</td>
<td>Non-hazardous ingredients</td>
<td>100</td>
</tr>
</tbody>
</table>

Revision Date: September 2020
**Section 4 - FIRST AID MEASURES**

Description of Necessary Measures

**Inhalation**
If fumes or combustion products are inhaled remove from contaminated area. If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Skin**
Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Eyes**
Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

**Ingestion**
Never make an unconscious person vomit or drink fluids. Rinse mouth out with water. If a large amount is ingested, seek medical attention.

**Antidote**
Treat symptomatically and supportively.

**Symptoms: Immediate**
No information on significant adverse effects.

**Symptoms: Delayed**
No information on significant adverse effects.

**Section 5 - FIRE FIGHTING MEASURES**

**Flammable Properties**
This material will not burn.

**Suitable Extinguishing Media**
Use extinguishing agents appropriate for surrounding fire.

**Unsuitable Extinguishing Media**
None known.

**Special Hazards Arising from the Substance or Mixture**

**Hazardous Combustion Products**
Combustion: oxides of carbon, fluorinated compounds

**Special Fire Fighting Measures**
Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks.

**Special Protective Equipment and Precautions for Firefighters**
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Section 6 - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**
Wear personal protective clothing and equipment.

**Environmental Precautions**
Avoid release to the environment. Prevent entry into waterways, sewers, basements, or confined areas.
Methods for Containment and Cleaning up

Spillages should be soaked up onto paper, vermiculite, rags or sawdust and disposed of in accordance with local regulations. Shovel or sweep up. Place in closed container for disposal. Remove sources of ignition. Prevent entry into waterways, sewers, basements, or confined areas.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing vapors or mists of this material. Avoid contact with skin and eyes. Use only in well ventilated areas. Keep away from heat, sparks and flame. Wash thoroughly after handling. Use in accordance with good industrial hygiene practices.

Conditions for Safe Storage, Including Any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store at +15°C to +30°C. Keep container closed when not in use. Keep separated from incompatible substances.

Incompatibilities: None known.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

No exposure limits for the substances in this preparation present above reportable concentrations have been assigned. The following lists were reviewed: China, Japan, Singapore and Taiwan.

Biological Exposure Limits

There are no biological limit values for any of this product's components.

Appropriate Engineering Controls

Provide local exhaust ventilation system. Use ventilation when oil is heated above 550°F. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear safety glasses or safety goggles, with a face shield, as appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear appropriate chemical resistant clothing. When chemical splash hazard exists, wear coveralls and/or apron.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Respiratory protection is not required under normal conditions of use. If ventilation is not sufficient to effectively prevent buildup of mists or vapors, appropriate respiratory protection must be provided.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: colorless
Odor: odorless
pH: neutral
Boiling Point: Not available
Flammability (solid, gas) Not applicable
Evaporation Rate: Not available
Upper Explosive Limit: Not available
Vapor Pressure: Not available

Appearance: viscous oil
Physical Form: oil
Odor Threshold: Not available
Melting Point: Not available
Decomposition Temperature: 350 °C
Flash Point: Does not flash (PMCC)
Lower Explosive Limit: Not available
Auto Ignition Temperature: Not available
Vapor Density (air = 1): Not available
Density: Not available
Water Solubility: Insoluble
Viscosity: Not available
Oxidizing Properties: Not available

** **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 heating above 350°C (662°F). Avoid excessive heat and ignition sources. Avoid contact with incompatible materials.

Incompatible Materials
None known.

Hazardous Decomposition Products
Avoid heating above 350°C (662°F). Decomposition can form fluorinated compounds. At temperatures above 355°C (670°F), decomposition accelerates with generation of fluorinated compounds. Depolymerization may occur in the presence of some metal oxides at temperatures above 288°C (550°F).

Hazardous Decomposition
Combustion: oxides of carbon, fluorinated compounds

** **Section 11 - TOXICOLOGICAL INFORMATION** **

Acute and Chronic Toxicity
May cause respiratory tract irritation. May cause irritation of the skin and eyes. A single inhalation exposure produced nonspecific effects such as respiratory irritation. Exposure to thermal decomposition products produced irritation, irregular respiration, tremors and increased liver weight. Repeated inhalation exposures to 10, 100, or 1000 mg/m3 caused increased lung weights and microscopic particle-laden macrophages in the lungs and lymphs nodes; this was an expected pulmonary response to high aerosol concentrations of an inert material.

Component Analysis - LD50/LC50
>17000 mg/kg dermal absorption-rabbit ALD >19.54 mg/L 4 hour inhalation-rat ALC >25000 mg/kg oral-rat ALD

Immediate Effects
May cause irritation to respiratory tract, skin, and eyes.

Delayed Effects
No information on significant adverse effects.

Irritation/Corrosivity Data
May cause respiratory tract irritation. May cause irritation of the skin and eyes.

Respiratory Sensitization
Not known to be a sensitizing agent.

Dermal Sensitization
This material is not considered to be a skin sensitizer.

Carcinogenicity
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.
Germ Cell Mutagenicity
   No genetic effects were observed in standard mutagenicity tests using bacterial cell cultures.

Reproductive Toxicity
   No data available.

Specific Target Organ Toxicity - Single Exposure
   No data available.

Specific Target Organ Toxicity - Repeated Exposure
   No data available.

Aspiration Hazard
   No data available.

Medical Conditions Aggravated by Exposure
   None known.

***Section 12 - ECOLOGICAL INFORMATION***

Ecotoxicity
   No information available for the product.

Fish Toxicity
   >1000 mg/L 96 hour(s) LC50 Rainbow Trout;

Invertebrate Toxicity
   >1000 mg/L 48 hours EC50 Daphnia magna.

Persistence and Degradability
   No information available for the product.

Bioaccumulative Potential
   No information available for the product.

Mobility in Soil
   No information available for the product.

Other Ecological Information
   Generally not expected to cause adverse effects.

***Section 13 - DISPOSAL CONSIDERATIONS***

Disposal Methods
   Dispose in accordance with all applicable regulations. Reprocess whenever possible.

Disposal of Contaminated Packaging
   Dispose in accordance with all applicable regulations. Recycle if possible.

***Section 14 - TRANSPORT INFORMATION***

IATA Information
   Not regulated as dangerous goods

ICAO Information
   Not regulated as dangerous goods

IMDG Information
   Not regulated as dangerous goods

International Bulk Chemical Code
   This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.
**Section 15 - REGULATORY INFORMATION**

**China Regulations**

State Administration of Work Safety (SAWS) - List of Dangerous Chemicals
None of this product's components are listed.

**Dangerous Goods List (GB 12268-2005)**
None of this product's components are on the list.

**Export Control List - Part I Chemicals**
None of this product's components are on the list.

**Japan Regulations**

**Act for the Control of Export, Import and Others of Specified Hazardous Wastes**
None of this product's components are on the list.

**Japan Designated Chemical Substances (PRTR Law)**
None of this product's components are on the list.

**Act on Port Regulations**
None of this product's components are on the list.

**Fire Service Law**
None of this product's components are on the list.

**Marine Pollution Prevention Law**
None of this product's components are on the list.

**Shipping Safety Act**
None of this product's components are on the list.

**Singapore Regulations**

**List of Hazardous Substances**
No information was found for the substance(s) on the List of Hazardous Substances.

**Taiwan Regulations**

**Toxic Chemical Control Act**
None of this product's components are listed on the Toxic Chemicals Control Act or the Classification and Threshold.

**Component Analysis - Inventory**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>US</th>
<th>CA</th>
<th>EU</th>
<th>AU</th>
<th>PH</th>
<th>JP</th>
<th>KR</th>
<th>CN</th>
<th>NZ</th>
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</thead>
<tbody>
<tr>
<td>Non-hazardous ingredients</td>
<td>Trade Secret</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Section 16 - OTHER INFORMATION**

**History**
Revision 01: CHG-002362; September 2020; Initial release

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NIOSH - National Institute for Occupational Safety and Health; NTP = National Toxicology Program; STEL - Short-term Exposure Limit; TWA - Time Weighted Average; UEL - Upper Explosive Limit; WHMIS - Workplace Hazardous Materials Information System
Other Information

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End of Sheet SDS-00022_GHS_ASIA