

**\*\*\*Section 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING\*\*\*****1.1 Product Identifier:**

Product Identifier: Control Line Fluid

**Manufacturer Part Number(s)**

102-0836, Advanta Dx Control Line Fluid, 10-pk, CE-IVD

**Substance Registration Number(s)**

This material is imported in amounts &lt; 1 tonne/annum. This product and its components are not subject to REACH.

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Identified Uses***In Vitro* Diagnostic Kit.**1.3 Details of the Supplier of the Safety Data Sheet**

Fluidigm Corporation

2 Tower Place Suite 2000

South San Francisco, CA 94080

Main Phone (U.S.): +1-650-266-6000

Email: techsupport@fluidigm.com

**1.4 Emergency Telephone Number**

+1-650-266-6100 (Outside US)

+1-866-358-4354 (toll free)

**\*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\*****2.1 Classification of the Substance or Mixture****Classification according to Regulation (EC) No 1272/2008**

No classification is assigned based on classification criteria.

Review the entire data sheet for any additional information which did not result in a classification.

**Classification according to Directives 67/548/EEC and/or 1999/45/EC**

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

**2.2 Label Elements**

Labeling according to Regulation (EC) 1272/2008:

**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.

**Labelling according to Directive 67/548/EEC and/or 1999/45/EC**

None needed according to classification criteria.

<b>***Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS***</b>
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CAS EC No Registration No	Component Synonyms	67/548 EEC (DSD)	1272/2008 (CLP)	Percent
Trade Secret Not Available Not Available	Non-hazardous ingredients	----		100

<b>***Section 4 - FIRST AID MEASURES***</b>
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**4.1 Description of First Aid 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.

**4.2 Most Important Symptoms and Effects, both Acute and Delayed**
**Acute**

No information on significant adverse effects.

**Delayed**

No information on significant adverse effects.

**4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**
**Note to Physicians**

No special instructions.

**Antidote**

Treat symptomatically and supportively.

**\*\*\*Section 5 - FIRE FIGHTING MEASURES\*\*\*****5.1 Extinguishing Media****Suitable Extinguishing Media**

Use extinguishing agents appropriate for surrounding fire.

**Unsuitable Extinguishing Media**

None known.

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

This material will not burn.

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

**5.3 Advice for Firefighters****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.

**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\*\*\*****6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment.

**6.2 Environmental Precautions**

Avoid release to the environment. Prevent entry into waterways, sewers, basements, or confined areas.

**6.3 Methods and Material 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.

**6.4 Reference to Other Sections**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

**\*\*\*Section 7 - HANDLING AND STORAGE\*\*\*****7.1 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.

**7.2 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.

**7.3 Specific End Use(s)**

*In Vitro* Diagnostic Kit.

**\*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*****8.1 Control Parameters****Component Exposure Limits**

EU, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Netherlands, Portugal, Spain, Sweden and United Kingdom have not developed exposure limits for any of this product's components.

**Biological Exposure Limits**

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

**Derived No Effect Levels (DNELs)**

No DNELs available.

**Predicted No Effect Concentrations (PNECs)**

No PNECs available.

**8.2 Exposure Controls****Engineering Controls**

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

**Eye / 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.

**Environmental Exposure Controls**

Avoid release to the environment.

**\*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*****9.1 Information on Basic Physical and Chemical Properties**

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	viscous oil
<b>Color:</b>	colorless	<b>Physical Form:</b>	oil
<b>Odor:</b>	odorless	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	neutral	<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Decomposition Temperature:</b>	+350 °C
<b>Flammability (solid, gas)</b>	Not applicable	<b>Flash Point:</b>	Does not flash (PMCC)
<b>Evaporation Rate:</b>	Not available	<b>Lower Explosive Limit:</b>	Not available
<b>Upper Explosive Limit:</b>	Not available	<b>Auto Ignition Temperature:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density (air = 1):</b>	Not available
<b>Density:</b>	Not available	<b>Specific Gravity (water = 1):</b>	1.86-1.91 @ +24 °C
<b>Water Solubility:</b>	Insoluble	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>Viscosity:</b>	Not available	<b>Volatility:</b>	Not available
<b>Oxidizing Properties:</b>	Not available		

**\*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*****10.1 Reactivity**

No reactivity hazard is expected.

**10.2 Chemical Stability**

Stable at normal temperatures and pressure.

**10.3 Possibility of Hazardous Reactions**

Will not polymerize.

**10.4 Conditions to Avoid**

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

**10.5 Incompatible Materials**

None known.

**10.6 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).

**Thermal Decomposition Products**

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

**\*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*****11.1 Information on Toxicological Effects****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/m<sup>3</sup> caused increased lung weights and microscopic particle-laden macrophages in the lungs and lymph 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

**Irritation / Corrosivity**

May cause respiratory tract irritation. May cause irritation of the skin and eyes.

**Respiratory Sensitization**

Not known to be a sensitizing agent.

**Skin Sensitization**

This material is not considered to be a skin sensitizer.

**Germ Cell Mutagenicity**

No genetic effects were observed in standard mutagenicity tests using bacterial cell cultures.

**Carcinogenicity****Component Carcinogenicity**

None of this product's components are listed by IARC or DFG.

**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.

**\*\*\*Section 12 - ECOLOGICAL INFORMATION\*\*\*****12.1 Toxicity**

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.

**12.2 Persistence and Degradability**

No information available for the product.

**12.3 Bioaccumulative Potential**

No information available for the product.

**12.4 Mobility in Soil**

No information available for the product.

**12.5 Results of PBT and vPvB Assessment**

No information available for the product.

**EU - Interim Strategy for Management of PBT and vPvB Substances (PBT Assessments)**

No components of this material are listed.

**12.6 Other Adverse Effects**

No information available for the product.

**\*\*\*Section 13 - DISPOSAL CONSIDERATIONS\*\*\*****13.1 Waste Treatment Methods**

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

**\*\*\*Section 14 - TRANSPORT 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\*\*\***

**15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture**
**EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorisation**

No components of this material are listed.

**EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances Subject to Authorisation**

No components of this material are listed.

**EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles**

No components of this material are listed.

**Germany Regulations**
**Germany Water Classification**

**Non-hazardous ingredients (Trade Secret)**

ID Number 5143, hazard class 1 - low hazard to waters

**Denmark Regulations**
**Environmental Protection Agency List of Undesirable Substances**

No components of this material are listed.

**15.2 Chemical Safety Assessment**

No chemical safety assessment has been carried out for the substance/mixture.

**Component Analysis - Inventory**

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Non-hazardous ingredients	Trade Secret	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes

**\*\*\*Section 16 - OTHER INFORMATION\*\*\***

**16.1 Indication of changes**

Revision 01: CHG-002775; November 2020; Initial release

**16.2 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; UEL - Upper Explosive Limit; WHMIS - Workplace Hazardous Materials Information System

**16.3 Key literature references and sources for data**

Available upon request

**16.4 Methods used for classification of mixture according to Regulation (EC) No 1272/2008**

Available upon request

# Safety Data Sheet

Material Name: Control Line Fluid

SDS-00032\_EU Rev 01

In Compliance with Regulation (EC)  
1907/2006 (REACH) as Amended

## 16.6 Training Advice

None

## 16.7 Other Information

Disclaimer: Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product. **For *In Vitro* Diagnostic Use.**

End of Sheet SDS-00032\_EU