

SAFETY DATA SHEET

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

Contact information

General

Thermo

SCIENTIFIC

Microgenics Corporation

46500 Kato Road

Fremont, CA 94538

Main: (510) 979-5000

Fax: (510) 979-5002

E-mail: techservice.mgc@thermofisher.com

Emergency telephone number

Chemtrec (24-hour availability):

+1 (800) 424-9300 (USA and Canada)

+1 (703) 527-3887 (International; Collect calls accepted)

+1 (202) 483-7616 (Europe)

Product identifier

CEDIA™ Technology - Powders (Group 1)

Synonyms

EA & ED Reagents for following Assays:

10016409, CEDIA Benzodiazepine Assay

100085, CEDIA Benzodiazepine Assay

100094, CEDIA Benzodiazepine Assay

1775561, CEDIA Benzodiazepine Assay

10017365, CEDIA Barbiturate Assay

100084, CEDIA Barbiturate Assay

100093, CEDIA Barbiturate Assay

1661213, CEDIA Barbiturate Assay

100190, CEDIA Buprenorphine Assay

100240, CEDIA Buprenorphine Assay

10015658, CEDIA Buprenorphine Assay

100006, CEDIA Carbamazepine II Assay,

10016413, CEDIA Cocaine Assay

100086, CEDIA Cocaine Assay

100095, CEDIA Cocaine Assay

1661230, CEDIA Cocaine Assay

1732137, CEDIA LSD Assay

10016425, CEDIA Methadone Assay

100088, CEDIA Methadone Assay

100097, CEDIA Methadone Assay

1730916, CEDIA Methadone Assay

10016421, CEDIA Methadone Metabolite (EDDP) Assay

100087, CEDIA Methadone Metabolite (EDDP) Assay

100096, CEDIA Methadone Metabolite (EDDP) Assay

1868217, CEDIA Methadone Metabolite (EDDP) Assay

10016433, CEDIA Multi-Level THC Assay

100091, CEDIA Multi-Level THC Assay

100100, CEDIA Multi-Level THC Assay

1661256, CEDIA Multi-Level THC Assay

100015, CEDIA N-acetylprocainamide (NAPA) Assay

Synonyms Continued

10016429, CEDIA Opiate Assay
100089, CEDIA Opiate Assay
100098, CEDIA Opiate Assay
1661248, CEDIA Opiate Assay
1815296, CEDIA Opiate 2K Assay
100090, CEDIA Opiate 2K Assay
100099, CEDIA Opiate 2K Assay
100172, CEDIA Phencyclidine (PCP) Assay
100173, CEDIA Phencyclidine (PCP) Assay
1815784, CEDIA Phencyclidine (PCP) Assay
100003, CEDIA Phenobarbital II Assay
100002, CEDIA Phenytoin II Assay
100014, CEDIA Procainamide Assay
100170, CEDIA Propoxyphene Assay
100171, CEDIA Propoxyphene Assay
1661523, CEDIA Propoxyphene Assay
1815555, CEDIA Sample Check Assay
10016443, CEDIA Sample Check Assay
100008, CEDIA Theophylline II Assay
10014734, CEDIA Cocaine OFT Assay
10014740, CEDIA Cocaine OFT Assay
10018590, CEDIA Cocaine OFT Assay
10014764, CEDIA Cocaine OFT Assay
10021745, CEDIA Cocaine OFT Assay
10011931, CEDIA Amphetamine OFT Assay
10011932, CEDIA Amphetamine OFT Assay
10018579, CEDIA Amphetamine OFT Assay
10014947, CEDIA Amphetamine OFT Assay
10021729, CEDIA Amphetamine OFT Assay
10011934, CEDIA Methamphetamine OFT Assay
10011936, CEDIA Methamphetamine OFT Assay
10018595, CEDIA Methamphetamine OFT Assay
10014949, CEDIA Methamphetamine OFT Assay
10021753, CEDIA Methamphetamine OFT Assay
10010612, CEDIA Opiate OFT Assay
10010659, CEDIA Opiate OFT Assay
10018600, CEDIA Opiate OFT Assay
10014873, CEDIA Opiate OFT Assay
10021778, CEDIA Opiate OFT Assay
10010619, CEDIA PCP OFT Assay
10010665, CEDIA PCP OFT Assay
10018605, CEDIA PCP OFT Assay
10014888, CEDIA PCP OFT Assay
10021786, CEDIA PCP OFT Assay
10020849, CEDIA Buprenorphine II Assay
10020850, CEDIA Buprenorphine II Assay
10022971, CEDIA AB-PINACA Assay
10022977, CEDIA AB-PINACA Assay
10022949, CEDIA UR-144/XLR-11 Assay
10022955, CEDIA UR-144/XLR-11 Assay

Trade names

CEDIA™ Technology

Chemical family

Mixture

Relevant identified uses of the substance or mixture and uses advised against *In vitro* diagnostic kit.
Criminal, Forensic, and Justice kits

Note The pharmacological, toxicological, and ecological properties of this product/mixture have not been fully characterized. This data sheet will be updated as more data become available.

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System [GHS] Respiratory sensitizer - Category 1. Skin sensitizer - Category 1.

Other/Supplemental Mixture not yet fully tested.

Label elements

SECTION 2 - HAZARDS IDENTIFICATION ...continued

GHS hazard pictogram



GHS signal word

Danger

GHS hazard statements

H317 - May cause allergic skin reaction. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. EUH032 - Contact with acids liberates very toxic gas.

GHS precautionary statements

P261 - Avoid breathing mist or vapor. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/eye protection/ face protection. P285 - In case of inadequate ventilation wear respiratory protection. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to location in accordance with local/regional/national/international regulations.

Other hazards

No data specific for the mixture were identified. The mixture contains bovine serum which has been associated with occupational sensitization. Material produced in compliance with USDA and/or CPMP/BWP/1230/98 (Guidance on Minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Medicinal Products). This is a CPMP/ BWP/1230/98 Category IV material: it does not contain nor is it derived from specified risk materials as defined in Commission decision 97/534/EC (or successive amendments).

Because the mixture contains a protein, it may cause an allergic skin or respiratory reaction (e.g., potential to cause anaphylaxis). In a workplace setting, the likelihood of systemic effects following accidental ingestion is low, due to the rapid breakdown of proteins in the digestive tract. Although antibodies are fairly large proteins, it is not known if systemic effects can occur following accidental inhalation. Proteins, in general, can cause skin and/or respiratory sensitization.

Note

This mixture is classified as hazardous under GHS as implemented by Regulation EC No 1272/2008 (EU CLP), WHMIS 2015 (Health Canada), and Hazard Communication Standard No. 1910.1200 (US OSHA).

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>EINECS/ELIN CS#</u>	<u>Amount</u>	<u>GHS Classification</u>
Bovine serum albumin	9048-46-8	N/A	≤56%	SS1: H317; RS1: H334
Potassium phosphate monobasic	7778-77-0	231-913-4	≤3%	SI2: H315; EI2: H319
Potassium phosphate dibasic	7758-11-4	231-834-5	≤3%	SI2: H315; EI2: H319
Sodium azide	26628-22-8	247-852-1	≤2%	ATO2: H300; AA1: H400; CA1: H410; EUH032
Drug-specific antibody	N/A	N/A	0 – 0.5%	SS1: H317; RS1: H334

Note The ingredient(s) listed above are considered hazardous. The remaining components are non-hazardous and/or present at amounts below reportable limits. Product also contains trace levels of antibody conjugate (≤0.01%). See Section 16 for full text of GHS classifications.

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

Immediate Medical Attention Needed	Yes
Eye Contact	If easy to do, remove contact lenses, if worn. Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.
Skin Contact	Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
Inhalation	Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. Immediately notify medical personnel and supervisor.
Ingestion	If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.
Protection of first aid responders	See Section 8 for Exposure Controls/Personal Protection recommendations.
Most important symptoms and effects, both acute and delayed	See Sections 2 and 11
Indication of immediate medical attention and special treatment needed, if necessary	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media	Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for surrounding fire and materials.
Specific hazards arising from the substance or mixture	No information identified. May emit carbon monoxide, carbon dioxide, oxides of nitrogen, and potassium-containing compounds.
Flammability/Explosivity	No explosivity or flammability data identified. High airborne concentrations of finely divided organic particles can potentially explode if ignited.
Advice for firefighters	In case of fire in the surroundings: use the appropriate extinguishing agent. Wear full protective clothing and an approved, positive pressure, self-contained breathing apparatus. 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). Area should be adequately ventilated.
Environmental precautions	Do not empty into drains. Avoid release to the environment.
Methods and material for containment and cleaning up	DO NOT RAISE DUST. Surround spill or powder with absorbents and place a damp cloth or towel over the area to minimize entry of powder into the air. Add excess liquid to allow the material to enter into solution. Capture remaining liquid onto spill absorbents. Place spill materials into a leak-proof container for disposal in accordance with applicable waste disposal regulations (see section 13). Decontaminate the area twice with an appropriate solvent (see section 9).
Reference to other sections	See Sections 8 and 13 for more information.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with eyes, skin and other mucous membranes. Wash thoroughly after handling. Avoid breathing dust.
Conditions for safe storage including any incompatibilities	Store at 2-8 °C in a well-ventilated area, away from incompatible materials. Keep container upright and tightly closed.
Specific end use(s)	No information identified.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control

Parameters/Occupational

Exposure Limit Values

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Bovine serum albumin	--	--	--
Potassium phosphate monobasic	--	--	--
Potassium phosphate dibasic	--	--	--
Sodium azide	ACGIH, Australia, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, U.S.-California OSHA, United Kingdom New Zealand, Portugal	OEL-STEL Ceiling	0.3 mg/m ³ 0.29 mg/m ³

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ...continued

**Control
Parameters/Occupational
Exposure Limit Values
...continued**

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Sodium azide	ACGIH, Australia, Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, U.S.-California OSHA, United Kingdom	OEL-TWA	0.1 mg/m ³
	NIOSH, U.S.-California OSHA	Ceiling	0.3 mg/m ³
	Germany	OEL-STEL	0.4 mg/m ³
Drug-specific antibody	Germany	OEL-TWA	0.2 mg/m ³
	--	--	--

**Exposure/Engineering
controls**

Selection and use of containment devices and personal protective equipment should be based on a risk assessment of exposure potential. Use local exhaust and/or enclosure at dust-generating points. Laboratory operations should be conducted within a laboratory hood or biological safety cabinet if feasible. Emphasis is to be placed on closed material transfer systems and process containment, with limited open handling.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ...continued

Respiratory protection	Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls. If handling outside of containment device, an approved and properly fitted air-purifying respirator with HEPA filters should be considered to provide ancillary protection based on the known or foreseeable limitations of existing engineering controls. Use a powered air-purifying respirator equipped with HEPA filters or combination filters or a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, when exposure levels are not known, or in any other circumstances where a lower level of respiratory protection may not provide adequate protection.
Hand protection	Wear nitrile or other impervious gloves if skin contact is possible. Double gloves should be considered. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent.
Skin protection	Wear appropriate gloves, lab coat, or other protective overgarment if skin contact is likely. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use.
Eye/face protection	Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
Environmental Exposure Controls	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.
Other protective measures	Wash hands in the event of contact with this product/mixture, 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). Decontaminate all protective equipment following use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Lyophilized powder
Color	EA Reagent - White to off-white ED Reagent - Yellow to Orange
Odor	No information identified.
Odor threshold	No information identified.
pH	Not applicable
Melting point/freezing point	No information identified.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ...continued

Initial boiling point and boiling range	No information identified.
Flash point	No information identified.
Evaporation rate	No information identified.
Flammability (solid, gas)	No information identified.
Upper/lower flammability or explosive limits	No information identified.
Vapor pressure	No information identified.
Vapor density	No information identified.
Relative density	No information identified.
Water solubility	Soluble in water.
Solvent solubility	No information identified.
Partition coefficient (<i>n</i>-octanol/water)	No information identified.
Auto-ignition temperature	No information identified.
Decomposition temperature	No information identified.
Viscosity	No information identified.
Explosive properties	No information identified.
Oxidizing properties	No information identified.
Other information	
Molecular formula	Not applicable (Mixture)
Molecular weight	Not applicable (Mixture)

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.
Chemical stability	Stable when stored as recommended.
Possibility of hazardous reactions	Not expected to occur.
Conditions to avoid	Avoid excessive heat.
Incompatible materials	No information identified.

SECTION 10 - STABILITY AND REACTIVITY ...continued

Hazardous decomposition products No information identified.

SECTION 11 - TOXICOLOGICAL INFORMATION

Note No data for this product/mixture were identified. The following data describe the active ingredient and/or the individual ingredients where applicable.

Information on toxicological effects

Route of entry May be absorbed by inhalation, skin contact and ingestion.

Acute toxicity

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Dose</u>
Bovine serum albumin	--	--	--	--
Potassium phosphate monobasic	LD ₅₀	Oral	Mouse	2820 mg/kg
	LD ₅₀	Oral	Rat	3200 mg/kg
	LD ₅₀	Dermal	Rabbit	>4640 mg/kg
Potassium phosphate dibasic	LD ₅₀	Oral	Rat	>2000 mg/kg
Sodium azide	LD ₅₀	Oral	Rat	27 mg/kg
	LD ₅₀	Oral	Mouse	27 mg/kg
	LD ₅₀	Dermal	Rabbit	20 mg/kg
Drug-specific antibody	--	--	--	--

Irritation/Corrosion No studies identified.

Sensitization No studies identified. As bovine serum albumin (BSA) is derived from animal (foreign) protein, there is potential for the material to cause an allergic response in humans. Occupational exposure to BSA has caused some cases of allergic sensitization in workers handling this material.

STOT-single exposure No studies identified.

STOT-repeated exposure/Repeat-dose toxicity No studies identified.

Reproductive toxicity Oral doses of up to 1000 mg/kg/day potassium phosphate dibasic were not associated with reproductive toxicity in rats; the NOAEL was 1000 mg/kg/day.

Developmental toxicity Oral doses of up to 1000 mg/kg/day potassium phosphate dibasic were not associated with developmental toxicity in rats; the NOAEL was 1000 mg/kg/day.

Genotoxicity Potassium phosphate dibasic was negative for genotoxic effects in an *in vitro* bacterial cell mutagenicity assay (Ames) and in an *in vitro* chromosomal aberration test.

Carcinogenicity No studies identified. None of the components of the mixture present at levels greater than or equal to 0.1% are listed by NTP, IARC, ACGIH or OSHA as a carcinogen.

Aspiration hazard No data available.

SECTION 11 - TOXICOLOGICAL INFORMATION ...continued

Human health data See "Section 2 - Other Hazards"

Additional information The toxicological properties of this mixture have not been fully characterized.

SECTION 12 - ECOLOGICAL INFORMATION**Toxicity**

<u>Compound</u>	<u>Type</u>	<u>Species</u>	<u>Concentration</u>
Bovine serum albumin	--	--	--
Potassium phosphate monobasic	LC50 (24 h)	Dreissena polymorpha (zebra mussel)	92-169 mg/L
Potassium phosphate dibasic	LC ₅₀ (96 h)	Oryzias latipes (Japanese rice fish)	> 100 mg/L
	EC ₅₀ (48 h)	Daphnia magna (water flea)	118.9 mg/L
	EC ₅₀ /72h (growth rate reduction)	Pseudothrauxia subcapitata (green algae)	>100 mg/L
	EC ₅₀ /72h (biomass)	Pseudothrauxia subcapitata (green algae)	60 mg/L
Sodium azide	LC ₅₀ /96h	Oncorhynchus mykiss	0.8 mg/L
	LC ₅₀ /96h	Lepomis macrochirus	0.7 mg/L
	LC ₅₀ /96h	Pimephales promelas	5.46 mg/L
Drug-specific antibody	--	--	--

Additional toxicity information Sodium azide is toxic to aquatic organisms and should not be allowed to accumulate in metal piping as it has the potential to form explosive mixtures.

Persistence and Degradability No data available.

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 The environmental characteristics of this product/mixture have not been fully investigated. The above data are for the active ingredient and/or any other ingredient(s) where applicable. Although present at low concentrations, disposal should consider that sodium azide is present. Releases to the environment should be avoided.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods Used product should be disposed of according to local, state, and federal regulations. Do not send down the drain or flush down the toilet. All wastes containing the material should be properly labeled. Dispose of wastes in accordance to prescribed federal, state, and local guidelines. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner.

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 Based on the available data, this product/mixture is not regulated as an environmental hazard or a marine pollutant.

Special precautions for users Avoid release to the environment.

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

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 and Canada. Consult your local or regional authorities for more information.

Chemical safety assessment Not conducted.

TSCA status All components of mixture are on TSCA Inventory or are exempt.

SARA section 313 Not listed.

California proposition 65 Not listed.

SECTION 15 - REGULATORY INFORMATION ...continued

Additional information Federal German Government Water Hazard Classification:

WHC 3

SECTION 16 - OTHER INFORMATION

Full text of H phrases and GHS classifications SI2 - Skin irritant Category 2. H315 - Causes skin irritation. EI2 - Eye irritant Category 2. H319 - Causes serious eye irritation. RS1 - Respiratory Sensitizer Category 1. H334 - May cause allergic or asthmatic symptoms or breathing difficulty if inhaled. SS1 - Skin sensitizer Category 1. H317 - May cause an allergic skin reaction. ATO2 - Acute Toxicity (Oral) Category 2. H300 - Fatal if swallowed. AA1 - Aquatic toxicity (acute) - Category 1. H400 - Very toxic to aquatic life. CA1 - Aquatic toxicity (chronic) - Category 1. H410 - Very toxic to aquatic life with long lasting effects. EUH032 - Contact with acids liberates very toxic gas.

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; DNEL - Derived No Effect Level; 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; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Issue Date 11 January 2019

Revisions This is the fourth version of this SDS.

Disclaimer The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material.

SECTION 16 - OTHER INFORMATION ...continued

Disclaimer ...continued

Caution should be used in the handling and use of the material because it is a pharmaceutical/diagnostic product. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.

SAFETY DATA SHEET

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

Contact information

General

Thermo

S C I E N T I F I C

Microgenics Corporation

46500 Kato Road

Fremont, CA 94538

Main: (510) 979-5000

Fax: (510) 979-5002

E-mail: techservice.mgc@thermofisher.com

Emergency telephone number

Chemtrec (24-hour availability):

+1 (800) 424-9300 (USA and Canada)

+1 (703) 527-3887 (International; Collect calls accepted)

+1 (202) 483-7616 (Europe)

Product identifier

CEDIA™ Technology - Group A (Liquids)

Synonyms

EA & ED Reagents for following Assays:

10016409, CEDIA Benzodiazepine Assay

100085, CEDIA Benzodiazepine Assay

100094, CEDIA Benzodiazepine Assay

1775561, CEDIA Benzodiazepine Assay

10017365, CEDIA Barbiturate Assay

100084, CEDIA Barbiturate Assay

100093, CEDIA Barbiturate Assay

1661213, CEDIA Barbiturate Assay

100190, CEDIA Buprenorphine Assay

100240, CEDIA Buprenorphine Assay

10015658, CEDIA Buprenorphine Assay

100006, CEDIA Carbamazepine II Assay,

10016413, CEDIA Cocaine Assay

100086, CEDIA Cocaine Assay

100095, CEDIA Cocaine Assay

1661230, CEDIA Cocaine Assay

1732137, CEDIA LSD Assay

10016425, CEDIA Methadone Assay

100088, CEDIA Methadone Assay

100097, CEDIA Methadone Assay

1730916, CEDIA Methadone Assay

10016421, CEDIA Methadone Metabolite (EDDP) Assay

100087, CEDIA Methadone Metabolite (EDDP) Assay

100096, CEDIA Methadone Metabolite (EDDP) Assay

1868217, CEDIA Methadone Metabolite (EDDP) Assay

10016433, CEDIA Multi-Level THC Assay

100091, CEDIA Multi-Level THC Assay

100100, CEDIA Multi-Level THC Assay

Synonyms Continued

1661256, CEDIA Multi-Level THC Assay
100015, CEDIA N-acetylprocainamide (NAPA) Assay
10016429, CEDIA Opiate Assay
100089, CEDIA Opiate Assay
10098, CEDIA Opiate Assay
1661248, CEDIA Opiate Assay
1815296, CEDIA Opiate 2K Assay
100090, CEDIA Opiate 2K Assay
100099, CEDIA Opiate 2K Assay
100172, CEDIA Phencyclidine (PCP) Assay
100173, CEDIA Phencyclidine (PCP) Assay
1815784, CEDIA Phencyclidine (PCP) Assay
100003, CEDIA Phenobarbital II Assay
100002, CEDIA Phenytoin II Assay
100014, CEDIA Procainamide Assay
100170, CEDIA Propoxyphene Assay
100171, CEDIA Propoxyphene Assay
1661523, CEDIA Propoxyphene Assay
1815555, CEDIA Sample Check Assay
10016443, CEDIA Sample Check Assay
100008, CEDIA Theophylline II Assay
10014734, CEDIA Cocaine OFT Assay
10014740, CEDIA Cocaine OFT Assay
10018590, CEDIA Cocaine OFT Assay
10014764, CEDIA Cocaine OFT Assay
10021745, CEDIA Cocaine OFT Assay
10011931, CEDIA Amphetamine OFT Assay
10011932, CEDIA Amphetamine OFT Assay
10018579, CEDIA Amphetamine OFT Assay
10014947, CEDIA Amphetamine OFT Assay
10021729, CEDIA Amphetamine OFT Assay
10011934, CEDIA Methamphetamine OFT Assay
10011936, CEDIA Methamphetamine OFT Assay
10018595, CEDIA Methamphetamine OFT Assay
10014949, CEDIA Methamphetamine OFT Assay
10021753, CEDIA Methamphetamine OFT Assay
10010612, CEDIA Opiate OFT Assay
10010659, CEDIA Opiate OFT Assay
10018600, CEDIA Opiate OFT Assay
10014873, CEDIA Opiate OFT Assay
10021778, CEDIA Opiate OFT Assay
10010619, CEDIA PCP OFT Assay
10010665, CEDIA PCP OFT Assay
10018605, CEDIA PCP OFT Assay
10014888, CEDIA PCP OFT Assay
10021786, CEDIA PCP OFT Assay
10020849, CEDIA Buprenorphine II Assay
10020850, CEDIA Buprenorphine II Assay
10022971, CEDIA AB-PINACA Assay (CJF)
10022977, CEDIA AB-PINACA Assay (CJF)
10023433, CEDIA AB-PINACA Assay (CE)
10023439, CEDIA AB-PINACA Assay (CE)
10022949, CEDIA UR-144/XLR-11 Assay
10022955, CEDIA UR-144/XLR-11 Assay

Trade names

CEDIA™ Technology

Chemical family	Mixture
Relevant identified uses of the substance or mixture and uses advised against	<i>In vitro</i> diagnostic kit. Contains multiple liquid reagents packaged as separate vials. Criminal, Forensic, and Justice kits
Note	The pharmacological, toxicological, and ecological properties of this product/mixture have not been fully characterized. This data sheet will be updated as more data become available.

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System [GHS] Respiratory sensitizer - Category 1. Skin sensitizer - Category 1.

Other/Supplemental Mixture not yet fully tested

Label elements

SECTION 2 - HAZARDS IDENTIFICATION ...continued

GHS hazard pictogram



GHS signal word

Danger

GHS hazard statements

H317 - May cause allergic skin reaction. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. EUH032 - Contact with acids liberates very toxic gas.

GHS precautionary statements

P261 - Avoid breathing mist or vapor. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/eye protection/ face protection. P285 - In case of inadequate ventilation wear respiratory protection. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P363 - Wash contaminated clothing before reuse. P501 - Dispose of contents/container to location in accordance with local/regional/national/international regulations.

Other hazards

No data specific for the mixture were identified. The mixture contains bovine serum which has been associated with occupational sensitization. Material produced in compliance with USDA and/or CPMP/BWP/1230/98 (Guidance on Minimizing the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Medicinal Products). This is a CPMP/ BWP/1230/98 Category IV material: it does not contain nor is it derived from specified risk materials as defined in Commission decision 97/534/EC (or successive amendments).

Because the mixture contains a protein, it may cause an allergic skin or respiratory reaction (e.g., potential to cause anaphylaxis). In a workplace setting, the likelihood of systemic effects following accidental ingestion is low, due to the rapid breakdown of proteins in the digestive tract. Although antibodies are fairly large proteins, it is not known if systemic effects can occur following accidental inhalation. Proteins, in general, can cause skin and/or respiratory sensitization.

Note

This mixture is classified as hazardous under GHS as implemented by Regulation EC No 1272/2008 (EU CLP), WHMIS 2015 (Health Canada), and Hazard Communication Standard No. 1910.1200 (US OSHA).

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>EINECS/ELIN CS#</u>	<u>Amount</u>	<u>GHS Classification</u>
MOPS	1132-61-2	214-478-5	≤3.0%	SI2: H315; EI2: H319; STOT-SE3: H335
Potassium phosphate dibasic	7758-11-4	231-834-5	≤2.1%	SI2: H315; EI2: H319
Bovine serum	N/A	N/A	≤1.0%	SS1: H317; RS1: H334
Sodium azide	26628-22-8	247-852-1	0.1 – 0.3%	ATO2: H300; AA1: H400; CA1: H410; EUH032
Drug-specific antibody	N/A	N/A	0 – 0.1%	SS1: H317; RS1: H334

Note The ingredient(s) listed above are considered hazardous. The remaining components are non-hazardous and/or present at amounts below reportable limits. See Section 16 for full text of GHS classifications.

SECTION 4 - FIRST AID MEASURES

Description of first aid measures

Immediate Medical Attention Needed	Yes
Eye Contact	If easy to do, remove contact lenses, if worn. Immediately flush eyes with copious quantities of water for at least 15 minutes. If irritation occurs or persists, notify medical personnel and supervisor.
Skin Contact	Wash exposed area with soap and water and remove contaminated clothing/shoes. If irritation occurs or persists, notify medical personnel and supervisor.
Inhalation	Immediately move exposed subject to fresh air. If not breathing, give artificial respiration. If breathing is labored, administer oxygen. Immediately notify medical personnel and supervisor.
Ingestion	If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. Do not give anything to drink unless directed by medical personnel. Never give anything by mouth to an unconscious person. Notify medical personnel and supervisor.
Protection of first aid responders	See Section 8 for Exposure Controls/Personal Protection recommendations.
Most important symptoms and effects, both acute and delayed	See Sections 2 and 11
Indication of immediate medical attention and special treatment needed, if necessary	Medical conditions aggravated by exposure: None known or reported. Treat symptomatically and supportively.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media	Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for surrounding fire and materials.
Specific hazards arising from the substance or mixture	No information identified. May emit toxic gases of carbon monoxide, carbon dioxide, oxides of nitrogen, and potassium-containing compounds.
Flammability/Explosivity	No explosivity or flammability data identified. As product is an aqueous solution, it is not expected to be flammable or explosive.
Advice for firefighters	In case of fire in the surroundings: use the appropriate extinguishing agent. Wear full protective clothing and an approved, positive pressure, self-contained breathing apparatus. 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). Area should be adequately ventilated.
Environmental precautions	Do not empty into drains. Avoid release to the environment.
Methods and material for containment and cleaning up	DO NOT CAUSE MATERIAL TO BECOME AIRBORNE. For small spills, soak up material with absorbent, e.g., paper towels. For large spills, cordon off spill area and minimize the spreading of spilled material. Soak up material with absorbent. Collect spilled material, absorbent, and rinse water into suitable containers for proper disposal in accordance with applicable waste disposal regulations (see Section 13). Decontaminate the area twice with an appropriate solvent (see Section 9).
Reference to other sections	See Sections 8 and 13 for more information.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with eyes, skin and other mucous membranes. Wash thoroughly after handling. Avoid breathing mist/spray.
Conditions for safe storage including any incompatibilities	Store at 2-8 °C in a well-ventilated area, away from incompatible materials. Keep container upright and tightly closed.
Specific end use(s)	No information identified.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ...continued

**Control
Parameters/Occupational
Exposure Limit Values
...continued**

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Sodium azide	ACGIH,	OEL-TWA	0.1 mg/m ³
	Australia,		
	Austria,		
	Belgium,		
	Bulgaria,		
	Croatia,		
	Cyprus, Czech		
	Republic,		
	Denmark,		
	Estonia,		
	Finland,		
	France, Greece,		
	Hungary,		
	Ireland, Italy,		
	Latvia,		
	Lithuania,		
	Malta,		
	Netherlands,		
	Poland,		
	Romania,		
	Slovakia,		
	Slovenia,		
	Spain, Sweden,		
	U.S.-California		
	OSHA, United		
	Kingdom		
	NIOSH,	Ceiling	0.3 mg/m ³
	U.S.-California		
	OSHA		
	Germany	OEL-STEL	0.4 mg/m ³
	Germany	OEL-TWA	0.2 mg/m ³
Drug-specific antibody	--	--	--

**Exposure/Engineering
controls**

Selection and use of containment devices and personal protective equipment should be based on a risk assessment of exposure potential. Use local exhaust and/or enclosure at aerosol/mist-generating points. Laboratory operations should be conducted within a laboratory hood or biological safety cabinet if feasible. Emphasis is to be placed on closed material transfer systems and process containment, with limited open handling.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION ...continued

Respiratory protection	Choice of respiratory protection should be appropriate to the task and the level of existing engineering controls. If handling outside of containment device, an approved and properly fitted air-purifying respirator with HEPA filters should be considered to provide ancillary protection based on the known or foreseeable limitations of existing engineering controls. Use a powered air-purifying respirator equipped with HEPA filters or combination filters or a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, when exposure levels are not known, or in any other circumstances where a lower level of respiratory protection may not provide adequate protection.
Hand protection	Wear nitrile or other impervious gloves if skin contact is possible. Double gloves should be considered. When the material is dissolved or suspended in an organic solvent, wear gloves that provide protection against the solvent.
Skin protection	Wear appropriate gloves, lab coat, or other protective overgarment if skin contact is likely. Base the choice of skin protection on the job activity, potential for skin contact and solvents and reagents in use.
Eye/face protection	Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.
Environmental Exposure Controls	Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.
Other protective measures	Wash hands in the event of contact with this product/mixture, 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). Decontaminate all protective equipment following use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear liquid
Color	Colorless
Odor	No information identified.
Odor threshold	No information identified.
pH	6-8
Melting point/freezing point	No information identified.
Initial boiling point and boiling range	No information identified.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ...continued

Flash point	No information identified.
Evaporation rate	No information identified.
Flammability (solid, gas)	No information identified.
Upper/lower flammability or explosive limits	No information identified.
Vapor pressure	No information identified.
Vapor density	No information identified.
Relative density	No information identified.
Water solubility	Miscible with water.
Solvent solubility	No information identified.
Partition coefficient (n-octanol/water)	No information identified.
Auto-ignition temperature	No information identified.
Decomposition temperature	No information identified.
Viscosity	No information identified.
Explosive properties	No information identified.
Oxidizing properties	No information identified.
Other information	
Molecular formula	Not applicable (Mixture)
Molecular weight	Not applicable (Mixture)

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.
Chemical stability	Stable when stored as recommended.
Possibility of hazardous reactions	Not expected to occur.
Conditions to avoid	Avoid excessive heat.
Incompatible materials	No information identified.
Hazardous decomposition products	No information identified.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

Route of entry May be absorbed by inhalation, skin contact and ingestion.

Acute toxicity

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Dose</u>
MOPS	--	--	--	--
Potassium phosphate dibasic	LD ₅₀	Oral	Rat	>2000 mg/kg
Bovine serum	--	--	--	--
Sodium azide	LD ₅₀	Oral	Rat	27 mg/kg
	LD ₅₀	Oral	Mouse	27 mg/kg
	LD ₅₀	Dermal	Rabbit	20 mg/kg
Drug-specific antibody	--	--	--	--

Irritation/Corrosion No studies identified.

Sensitization No studies identified. As bovine serum is derived from animal (foreign) protein, there is potential for the material to cause an allergic response in humans. Occupational exposure to bovine serum has caused some cases of allergic sensitization in workers handling this material.

STOT-single exposure No studies identified.

STOT-repeated exposure/Repeat-dose toxicity No studies identified.

Reproductive toxicity No studies identified.

Developmental toxicity No studies identified.

Genotoxicity No studies identified.

Carcinogenicity No studies identified. None of the components of the mixture present at levels greater than or equal to 0.1% are listed by NTP, IARC, ACGIH or OSHA as a carcinogen.

Aspiration hazard No data available.

Human health data See "Section 2 - Other Hazards"

Additional information The toxicological properties of this mixture have not been fully characterized.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

<u>Compound</u>	<u>Type</u>	<u>Species</u>	<u>Concentration</u>
MOPS	--	--	--
Potassium phosphate dibasic	LC ₅₀ (96 h)	Oryzias latipes (Japanese rice fish)	> 100 mg/L
	EC ₅₀ (48 h)	Daphnia magna (water flea)	118.9 mg/L
	EC ₅₀ /72h (growth rate reduction)	Pseudothrauxiella subcapitata (green algae)	>100 mg/L
	EC ₅₀ /72h (biomass)	Pseudothrauxiella subcapitata (green algae)	60 mg/L
Bovine serum	--	--	--
Sodium azide	LC ₅₀ /96h	Oncorhynchus mykiss	0.8 mg/L
	LC ₅₀ /96h	Lepomis macrochirus	0.7 mg/L
	LC ₅₀ /96h	Pimephales promelas	5.46 mg/L
Drug-specific antibody	--	--	--

Additional toxicity information

Sodium azide is toxic to aquatic organisms and should not be allowed to accumulate in metal piping as it has the potential to form explosive mixtures.

Persistence and Degradability

No data available.

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

The environmental characteristics of this product/mixture have not been fully investigated. The above data are for the active ingredient and/or any other ingredient(s) where applicable. Although present at low concentrations, disposal should consider that sodium azide is present. Releases to the environment should be avoided.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Used product should be disposed of according to local, state, and federal regulations. Do not send down the drain or flush down the toilet. All wastes containing the material should be properly labeled. Dispose of wastes in accordance to prescribed federal, state, and local guidelines. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner.

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	Based on the available data, this product/mixture is not regulated as an environmental hazard or a marine pollutant.
Special precautions for users	Avoid release to the environment.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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 and Canada. Consult your local or regional authorities for more information.
Chemical safety assessment	Not conducted.
TSCA status	All components of mixture are on TSCA Inventory or are exempt.
SARA section 313	Not listed.
California proposition 65	Not listed.
Additional information	Federal German Government Water Hazard Classification: WHC 3

SECTION 16 - OTHER INFORMATION

Full text of H phrases and GHS classifications SI2 - Skin irritant Category 2. H315 - Causes skin irritation. E12 - Eye irritant Category 2. H319 - Causes serious eye irritation. STOT-SE3 - Specific Target Organ Toxicity Following Single Exposure Category 3. H335 - May cause respiratory irritation. RS1 - Respiratory Sensitizer Category 1. H334 - May cause allergic or asthmatic symptoms or breathing difficulty if inhaled. SS1 - Skin sensitizer Category 1. H317 - May cause an allergic skin reaction. ATO2 - Acute Toxicity (Oral) Category 2. H300 - Fatal if swallowed. AA1- Aquatic toxicity (acute) - Category 1. H400 - Very toxic to aquatic life. CA1 - Aquatic toxicity (chronic) - Category 1. H410 - Very toxic to aquatic life with long lasting effects. EUH032 - Contact with acids liberates very toxic gas.

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; DNEL - Derived No Effect Level; 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; LOEL - Lowest Observed Effect Level; LOAEL - Lowest Observed Adverse Effect Level; NIOSH - The National Institute for Occupational Safety and Health; NOEL - No Observed Effect Level; NOAEL - No Observed Adverse Effect Level; NTP - National Toxicology Program; OEL - Occupational Exposure Limit; OSHA - Occupational Safety and Health Administration; PBT - Persistent, Bioaccumulative, and Toxic; PNEC - Predicted No Effect Concentration; SARA - Superfund Amendments and Reauthorization Act; STOT - Specific Target Organ Toxicity; STEL - Short Term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Issue Date 11 January 2019

Revisions This is the third version of this SDS.

Disclaimer The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties and protections which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material because it is a pharmaceutical/diagnostic product. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However,

SECTION 16 - OTHER INFORMATION ...continued

Disclaimer ...continued in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.