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MATERIAL SAFETY DATA SHEET

Date: 13th January 2020

SECTION 1: Product and Company Information

Product Name(s):	Cardiosight®-S
NEXEL Catalog Number	C-002
Restriction to Product Use	Do not inject or transplant to humans
Company Information	NEXEL Co., Ltd. 55 Magokdong-ro, Seoul, 07802 Republic of Korea
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SECTION 2: Hazards Identification

This substance is not hazardous as defined by OSHA 29CFR 1910.1200 and according to GHS revision 3 at given concentrations; however, this product should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's safety program.

Routes of Entry	Oral, Skin, Eyes
Potential Health Effects	
Eyes	NA / may cause eye irritation
Skin	NA / may cause skin irritation
Ingestion	NA
Inhalation	NA
Acute Health Hazards	NA
Chronic Health Hazards	NA
Medical Conditions	
Generally Aggravated by Exposure	NA

SECTION 3: Composition / Information on Ingredients

Unit	Cryovial; frozen liquid
Ingredients	Cryopreserved cells in frozen liquid culture medium (mixture of components that may include, but not limited

Composition	to carbohydrates, inorganic salts, amino acids, vitamins and/or other nutrients dissolved in water) containing cryopreservant(DMSO) Liquid culture medium (>90%) Cryopreserved Cells (<1%) DMSO (<10%, v/v) CAS number 67-68-5 (refer to Sigma Aldrich MSDS product number D2650)
Biosafety Level	1 Human cell culture; does not contain any agent with potential hazard to personnel or environment. For research use only.

This substance does not contain any substance considered to be hazardous to health at the given concentrations.

SECTION 4: First Aid Measures

Ingestion: If person is unconscious seek emergency medical attention; never treat/give anything to an unconscious person and call a physician. If person is conscious wash mouth out with water and call a physician. Do not induce vomiting without professional help.

Inhalation: If person is unconscious seek emergency medical attention. Remove to fresh air and call a physician.

Dermal exposure: Immediately wash exposed area with copious amounts of water followed by soap and water. Remove and wash contaminated clothing.

Eye exposure: Immediately flush eyes with running water for over 20 minutes and call a physician.

Other: Inform the medical professionals of the material composition. Do not inject adrenalin.

SECTION 5: Fire Fighting Measures

General: Wear self-contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

Flammability	Non-flammable
Extinguishing Media	Use media suitable for extinguishing material supporting the fire
Special Fire Fighting Procedures	NA
Unusual Fire & Explosion Hazards	Not a fire or explosion hazard

SECTION 6: Accidental Release Measures

Accidental Prelease Measures	Standard non-hazardous chemical spill clean-up measures apply. Use appropriate protective equipment during cleanup. Soak up spill with absorbent material and disinfect with 70% Ethanol
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SECTION 7: Handling and Storage

Handling	Use good laboratory practices while handling. Avoid inhaling vapors or mist. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Storage	Store in accordance with the product user guide and with federal, state, and local regulations. Do not consume food, drink or tobacco in areas where they may become contaminated with this material.

SECTION 8: Exposure Controls / Personal Protection

Respiratory Protection	Not normally required
Eye Protection	Safety glasses with side-shields
Skin Protection	Protective gloves or as recommended by internal laboratory rules
Other Protective Clothing or Equipment	Lightweight protective clothing, appropriate to prevent skin exposure
Work Hygienic Practices	Use good laboratory precautions and practices. Wash hands following handling of material
Exposure Guidelines	Wash exposed area thoroughly. Refer to Section 4. First Aid Measures for details

SECTION 9: Physical and Chemical Properties

Appearance	Liquid	Vapor Density (Air=1)	NA
Odor	Slight odor	Specific Gravity (H2O=1)	1
Physical State	Liquid	Evaporation Rate	NA
Boiling Point	100°C	Solubility in Water	100 g / 100 ml
Melting Point	0°C	Percent Solids by Weight	NA
Freezing Point	NA	Percent Volatile	NA
Vapor Pressure	NA	Volatile Organic Compounds (VOC)	NA

SECTION 10: Stability and Reactivity

This substance is stable at room temperature and pressure. Heating might lead to pressure build up in the sealed container.

Incompatibility (Material to Avoid)	No information available
Hazardous Decomposition or By-Products	NA

Hazardous Polymerization	Will not occur
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SECTION 11: Toxicological Information

No information found.

SECTION 12: Ecological Information

No information found.

SECTION 13: Disposal Considerations

Waste Disposal Method	Disposal with non-hazardous materials. Observe all federal, state, and local environmental regulations.
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SECTION 14: Transport Information

US Department of Transportation	Proper Shipping Name: Not classified as dangerous in the meaning of transport
UN Number	None
Hazard Class	None

SECTION 15: Regulatory Information

No information available

SECTION 16: Other Information

Other Information	The data on this SDS relate only to the specific material herein and do not relate to use in combination with any other material or process.
Preparation Information	This information is believed to be accurate and represents the best information available to date.
Disclaimer	We make no warranty or assume any liability from its use. Users should make their own investigation to determine the suitability of the information.