

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING													
General Name	Human Mesenchymal Stem Cells Culture Conditioned Medium.												
Product Name: Code #	There are two types of products, aqueous solution and dry powder.												
	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Product Name</th> <th colspan="2">Code #</th> </tr> <tr> <th>Water solution</th> <th>Dry Powder</th> </tr> </thead> <tbody> <tr> <td>MSC-Exo Regular</td> <td>UCSCM30</td> <td>UCSCM30FD</td> </tr> <tr> <td>MSC-Exo Premium</td> <td>UCSCM32</td> <td>UCSCM32FD</td> </tr> </tbody> </table>		Product Name	Code #		Water solution	Dry Powder	MSC-Exo Regular	UCSCM30	UCSCM30FD	MSC-Exo Premium	UCSCM32	UCSCM32FD
	Product Name	Code #											
		Water solution	Dry Powder										
	MSC-Exo Regular	UCSCM30	UCSCM30FD										
MSC-Exo Premium	UCSCM32	UCSCM32FD											
* Abbreviations: DP: Dental Pulp, MSC: Mesenchymal Stem Cell, CM: Conditioned Medium													
CAS No.	N. A												
EC-No.	N. A												
Details of the supplier of the SDS	Bold Biotechnology Co., Ltd./Cell Science Division 82-16, Imozawa Gongenmoriyama, Aoba-ku Sendai, 989-3212, JAPAN												
Emergency telephone number	Tel : +81-22-343-5116 FAX: +81-22-343-1195												
Relevant identified uses of the substance or mixture	Laboratory Chemicals Not a medical product use to treat or diagnose												
2. Hazards Identification													
GHS Classification of the substance or Mixture	Not a hazardous substance according to the Globally Harmonized System (GHS).												
Label elements	The product does not need to be labeled in accordance with EC directives or respective national laws.												
Other hazards	N. A												
3. Composition/information on Ingredients													
Substances	Water solution or freeze dry powder												
Multi components mixture that was prepared by culturing of Human Mesenchymal Stem Cells . Major component: Water 95%, Sodium Chloride 0.9% Other components: Vitamins, Amino acids, Minerals and cell derived Proteins.													
4. First aid measures													
General advice	Consult a physician. Show this SDS to the doctor in attendance.												
If inhaled	If not breathing, give artificial respiration, consult a physician.												
If skin contact	Wash off with water.												
In case of eye contact	Flush eyes with water.												

If swallowed	Rinse mouth with water.
5. FIREFIGHTING MEASURES	
Suitable extinguishing media	no data available
Special hazards arising from the substance or mixture	no data available
Advice for firefighters	no data available
Further information	no data available
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures	Use appropriate protective equipment and be careful not to allow splashes to adhere to the skin.
Environmental precautions	no data available
Methods and materials for containment and cleaning up	Wash with water and wipe
Reference to other sections	For disposal see section 13.
7. HANDLING AND STORAGE	
Precautions for safe handling	Not applicable
Conditions for safe storage, including any incompatibilities	Water solution store in a freezer at -20°C or below. Dry powder keep in refrigerator (recommend below 4°C)
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Control parameters	Occupational Exposure Limits Contains no substances with occupational exposure limit values.
Exposure controls	Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Personal protective equipment Eye/face protection Face shield or safety glasses Use equipment for eye protection. Skin protection Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. Body Protection Wear impermeable clothing Respiratory protection not required.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Clear, Liquid or white powder
Odor	No odor
pH	Water solution 7.0~8.0
Melting point/freezing point	Water solution 0°C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available

Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	no data available
Water solubility	Freely soluble
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
10. STABILITY AND REACTIVITY	
Chemical stability	no data available
Reactivity	no data available
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	no data available
Hazardous decomposition products	no data available
11. TOXICOLOGICAL INFORMATION	
Acute toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Germ cell mutagenicity	no data available
Carcinogenicity	no data available
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
Potential health effects	no data available
12. ECOLOGICAL INFORMATION	
Toxicity	no data available
Persistence and degradability	no data available
Bio-accumulative potential	no data available
Mobility in soil	no data available
Results of PBT and vPvB assessment	no data available
Other adverse effects	no data available
13. DISPOSAL CONSIDERATIONS	
Waste treatment methods	It is necessary to handle the disposal according to a country, a local law and regulation appropriately
Contaminated packaging	Dispose of as unused product.
14. TRANSPORT INFORMATION	

ADR/RID	Not regulated, Not dangerous goods
Name	–
UN number	–
Packaging group	–
IMDG	Not regulated, Not dangerous goods
Name	–
UN number	–
Transport hazard	–
Packaging group	–
Marine pollutant	no
IATA	Not regulated, Not dangerous goods
Name	–
UN number	–
Packaging group	–
Environmental hazards	no
15. REGULATORY INFORMATION	
Safety, health and environmental regulations/legislation specific for the substance or mixture National regulatory information	
Fire Service Law:	Not applicable to dangerous materials
Poisonous and Deleterious Substances Control Law:	Not applicable
Industrial Safety and Health Law Ordinance on Prevention of Hazards Due to Specified Chemical Substances:	Not applicable
Ordinance on Prevention of Organic Solvent Poisoning:	Not applicable
Harmful Substances Required Permission for Manufacture:	Not applicable
Substances Subject to be Notified Names:	Not applicable
Substances Subject to be Indicated Names:	Not applicable
Circular concerning Information on Chemicals having Mutagenicity-Annex 2: Information on Existing Chemicals having Mutagenicity:	Not applicable
Circular concerning Information on Chemicals having Mutagenicity-Annex 1: Information on Notified Substances having Mutagenicity:	Not applicable

Harmful Substances Prohibited from Manufacture:	Not applicable
Substances Prevented From Impairment of Health:	
Ordinance on Prevention of Lead Poisoning:	Not applicable
Ordinance on Prevention of Tetra alkyl Lead Poisoning:	Not applicable
Enforcement Order of the Industrial Safety and Health Law-Attached table 1 (Dangerous Substances):	Not applicable
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof:	Not applicable
Chemical Substance Control Law:	Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.
16. OTHER INFORMATION	
Reference	---
Further information	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Science Incorporation shall not be held liable for any damage resulting from handling or from contact with the above product.</p>