BIOTEC YOUR PATH TO DISCOVERY

CYTOFlex[™]-Hypo

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/15/2018 Version: 1

YOUR PATH TO DISCOVERY	
SECTION 1: Identification of the subst	ance/mixture and of the company/undertaking
1.1. Product identifier	
	Mixture
Product name :	CYTOFlex™-Hypo
	554314
Other means of identification :	0.063 M potassium chloride in deionized water
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against
	Solution used in cytogenetic applications.
1.3. Details of the supplier of the safety da	
ADS Biotec, Inc.	
7409 Irvington Road	
Omaha, NE 68122 - USA support@adsbiotec.com	
1.4. Emergency telephone number	
Emergency Contact Number :	USA: 1-800-255-3924 (CHEMTEL 24hr); International: +1-813-248-0585 (CHEMTEL 24hr)
SECTION 2: Hazards identification	
2.1. Classification of the substance or mix	ture
GHS-US classification	
Not classified	
2.2. Label elements	
GHS-US labeling	
No labeling applicable	
2.3. Other hazards	Management and fight from Demonstration and an effective concerning with the fight of a
Other hazards not contributing to the : classification	May cause eye irritation. Repeated or prolonged contact may cause skin irritation.
2.4. Unknown acute toxicity (GHS-US)	
No data available	
SECTION 3: Composition/information	on ingredients
3.1. Substance	
Not applicable	
Full text of H-phrases: see section 16	
3.2. Mixture	
SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general :	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation :	Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical
	attention.
First-aid measures after skin contact :	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop obtain medical attention.
First-aid measures after eye contact :	Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.
First-aid measures after ingestion :	Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop obtain medical attention.
4.2 Most important symptoms and effects	
4.2. Most important symptoms and effects Symptoms/injuries	Not expected to present a significant hazard under anticipated conditions of normal use.

EN (English)

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Sympto	ms/injuries after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.
4.3.	Indication of any immediate med	ical attention and special treatment needed
Treat sy	mptomatically.	
SECT	ION 5: Firefighting measures	
5.1.	Extinguishing media	
	e extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
	ble extinguishing media	: None.
5.2.	Special hazards arising from the	substance or mixture
	on hazard	: On exposure to high temperature, may decompose, releasing explosive vapours.
Reactivi		: None known.
5.3.		
	Advice for firefighters ting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
riteliyii		chemical fire. Avoid fire-fighting water enteing the environment.
Protecti	on during firefighting	: Fire fighters should wear complete protective clothing including self-contained breathing
		apparatus.
SECT	ION 6: Accidental release me	easures
6.1.		equipment and emergency procedures
	I measures	: Hazardous decomposition products. Carbon monoxide. Carbon dioxide. Nitrogen dioxide.
Conora	medealee	
6.1.1.	For non-emergency personnel	
Emerge	ency procedures	: Evacuate unnecessary personnel.
6.1.2.	For emergency responders	
Protecti	ve equipment	: Wear suitable protective clothing and eye or face protection.
Emerge	ency procedures	: Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.
6.2.	Environmental precautions	
Not nor	mally required.	
6.3.	Methods and material for contain	ment and cleaning un
	s for cleaning up	: Absorb with earth, sand or other non-combustible material and transfer to containers for later
motriou		disposal. Wash spill area with soapy water.
6.4.	Reference to other sections	
-		ection. SECTION 13: Disposal considerations.
	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
recaut	ions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing.
Hyaiene	e measures	: Do not eat, drink or smoke when using this product.
7.2. Storage	Conditions for safe storage, inclue conditions	
Juliage		: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
7.3.	Specific end use(s)	
		professional diagnostic or research laboratory.
SECT	ION 8: Exposure controls/pe	
	Control parameters	
8.1.	oona of parametero	
8.1. 8.2.	Exposure controls	

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Thermal hazard protection	: Not required for normal conditions of use.	
Respiratory protection	: Not required under normal use.	
Skin and body protection	: Wear suitable protective clothing.	
Eye protection	: Safety glasses with face shield.	
Hand protection	: Wear chemically resistant protective gloves.	
Appropriate engineering controls	: Ensure adequate ventilation.	

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- Environmental exposure controls : Not normally required.
- Other information

- : Do not eat, drink or smoke during use.
- **SECTION 9: Physical and chemical properties**

	l chemical properties
Physical state	: Liquid
Colour	: Colorless.
Odour	: Odorless.
Odour threshold	: No data available
рН	: 5.8-6.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Miscible with water.
Log Pow	: 0
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. **Other information**

No additional information available

SECTION 10: Stability and reactivity			
10.1.	Reactivity		
None kr	None known.		
10.2.	Chemical stability		
Stable u	under normal conditions.		
10.3.	Possibility of hazardous reactions		
None known.			
10.4.	Conditions to avoid		
None.			
10.5.	Incompatible materials		
Strong oxidizing agents.			
10.6.	Hazardous decomposition products		

Carbon monoxide. Carbon dioxide. Nitrogen oxides. Ammonia.

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SECTION 11: Toxicological informat	tion
11.1. Information on toxicological effects	i de la companya de l
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	: Not classified
Reproductive toxicity	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated	: Not classified
exposure)	Based on available data, the classification criteria are not met
Aspiration hazard	Not classified
	Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.
Ecology - general I2.2. Persistence and degradability	: Not classified.
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Persistence and degradability	No information available.
12.3. Bioaccumulative potential	
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Bioaccumulative potential	No information available.
12.4. Mobility in soil	
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Ecology - soil	No information available.
12.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideratio	ns
13.1. Waste treatment methods	· Dispass in a safe manner in accordance with local/patienal resultations. Display of emotion
Waste disposal recommendations	 Dispose in a safe manner in accordance with local/national regulations. Dispise of empty containers as unused product. Avoid release to the environment.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
In accordance with DOT	
No dangerous good in sense of transport regula	tions
Additional information Other information	: No supplementary information available.

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Transport by sea	
Proper Shipping Name (IMDG)	: Not applicable
Air transport	
Proper Shipping Name (IATA)	: Not applicable
SECTION 15: Regulatory information	ation
15.1. US Federal regulations	
No additional information available	
15.2. International regulations	
CANADA	
No additional information available	
15.2.2. National regulations	
No additional information available	
15.3. US State regulations	
No additional information available	
SECTION 16: Other information	
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Abbreviations and acronyms : ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises). : None.

Other information

NCEC SDS US GHS (Hazcom 2012)

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