



255 Ave Labrosse
Pointe-Claire, Quebec
H9R1A3 Canada

PolyHydra-O®

Revision Date: January 12th, 2023

MATERIAL SAFETY DATA SHEET

Manufactured for

Precision Adjuvants Industries

600 East Crescent Ave, Suite 300
Upper Saddle River, NJ
USA. 07458

Section 1 Chemical Product and Company Information

Product Identification:	Water-Based Concentrated Adjuvant, PolyHydra-O®, PH-O
Supplier Identification:	SynBionic Évolution
Validation date:	January 12 th , 2023
Composition:	Proprietary Gel-type polymer solution
Product Uses:	Adjuvant
WHMIS Product Classification (Canada) :	Not Controlled
OSHA/HCS product Classification:	Not Hazardous

Section 2 Composition / Information on Ingredients

Ingredient	% weight	CAS number	LD ₅₀ /LC ₅₀	Exposure
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Not controlled as per WHMIS

Section 3 Hazard Identification

Emergency Overview:	None
Potential Health Effects:	
Eyes	No known significant effects or critical hazards
Skin	No known significant effects or critical hazards
Inhalation	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
Chronic Health Effects:	None

Section 4 First Aid Measures

Routes of Entry:	
Skin Contact:	Take off contaminated clothing. Rinse skin well with plenty of water for 15-20 minutes. If irritation develops, seek medical advice
Eye Contact:	Immediately flush eye with plenty of water for minimum 15 minutes, lifting upper and lower lids. Remove contact lenses if applicable. Seek medical attention should irritation develop
Inhalation:	If symptoms are experienced, move person to fresh air. Provide artificial respiration if person is not breathing. Seek medical attention if warranted
Ingestion:	If symptoms are experienced, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Protection of First-Aiders:	None
Notes to Physician:	Treat symptomatically

Section 5 Fire-Fighting Measures

Flammability of product:	Not flammable
Flash point (°C):	None
Auto-ignition Temp. (°C):	None
Extinguishing media:	Will not burn. If container is on fire: water spray, dry chemical, alcohol foam or carbon dioxide to cool containers
Special firefighting procedures:	None
Hazardous Products of Combustion:	Will not burn
Unusual Fire and Explosion Hazards:	None
Explosion Data:	Will not flash spontaneously

Section 6 Accidental Release Measures

Spill Procedures:	Surfaces will be slippery. Take maximum caution to footing when entering spilled area. Sweep product into containers and dispose of according to municipal regulations
Personal Precautions:	Never implicate self if personal hazard exists. Ensure proper footwear before entering. Do not walk through affected area.

Section 7 Handling and Storage

Handling Temperature:	Ambient temperature
Handling Procedures:	Avoid coming into contact with product with bare skin or uncovered eyes. Product will be cold and slippery
Storage Temperature:	Ambient temperature, avoid freezing temperatures
Storage Procedures:	Store product in tightly sealed containers, in a cool place. Protect container against physical damage. Store with like products

Section 8 Exposure Controls, Personal Protection, and Exposure Limits

Engineering Controls:	Local exhaust is sufficient, make sure proper steps are taken to satisfy local fire code requirements
Personal Protection:	Safety glasses, aprons, long sleeves, gloves and safety boots
Hygiene Measures:	Always wash hands, eyes, mouth and change clothing prior to eating/smoking/leaving area or using the toilet
Exposure Limits:	Not available

Section 9

Physical and Chemical Properties

Physical State:	Semi-solid
Appearance:	Translucent gel-type solution
Colour:	Translucent / colorless
Odour:	None
Freezing/Melting Point:	Not available
Boiling/Condensation Point:	Not available
Vapour Pressure:	< 0.01
Specific Gravity (g/ml):	1.0
Vapour Density:	None
Solubility in water:	100%
Volatile Fraction (V%):	0
Evaporation Rate:	Not applicable
Viscosity:	Cone penetration: 310-355mm
pH:	5.0-6.0

Section 10

Stability and Reactivity

Conditions for Chemical Stability:	Product is stable at ambient conditions
Conditions for Thermal Stability:	Keep product from boiling/freezing
Hazardous Polymerization:	Will not occur
Product Incompatibility:	None

Section 11

Toxicological Information

Irritancy:	Not available
Reproductive toxicity:	Not available
Carcinogenicity:	Not available
Mutagenicity:	Not available
Teratogenicity:	Not available
Effects of Chronic exposure:	Not available

Section 12 Ecological Information

ENVIRONMENTAL FATE

Atmosphere:	Not available
Water:	Not available
Soil:	Not available
Bioaccumulation Properties:	Not available
Products of Biodegradation:	Not available

Section 13 Disposal Considerations

Treatment:	Dispose product according to provincial / state and local environmental regulations.
Recycling Options:	Triple rinse (or equivalent) the empty container and offer for recycling according to local specifications/regulations, container will be slippery.

Section 14 Transport Information

In case of emergency:	CANUTEC: 613-996-6666 Poison Control Centre: Consult local telephone directory for emergency numbers(s)
Special Provisions:	
TGD Classification:	Not applicable
DOT classification:	Not applicable
Special Shipping Instructions:	None

Section 15 Regulatory Information

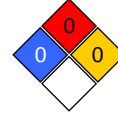
WHMIS Classification:	Not controlled
CPR Compliance:	This product has been classified in accordance with the hazard criteria of the <i>Controlled Products Regulations</i> and the MSDS contains all the information required by the <i>Controlled Products Regulations</i> .
CEPA Status (DSL):	This product or all of its components are currently listed on the Domestic substances List (DSL), as described under the Canadian Environmental Protection Act (CEPA)
TSCA Inventory Status:	This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances
Conformity to other Regions	Available upon request

Section 16**Other Information****Hazardous Material Information System (USA):**

Health	0
Flammability	0
Physical Hazards	0
Personal Protection	

National Fire Protection Association (USA):

Health	0
Flammability	0
Reactivity	0
Other	



Precautionary Labels: None

List of References: Available upon request

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Prepared by: Orley Pinchuk

Telephone: 800.567.5823

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