



# MATERIAL SAFETY DATA SHEET

## qLabs® Vet Coag Panel 2 Liquid Control

MSDS DATE: 2020-01-07

FILE NO.: MSDS011  
Document Revision No.: A2

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** qLabs® Vet Coag Panel 2 Liquid Control (1.0 mL in 2 mL screw cap vial)  
**SYNONYMS:** Prothrombin Time (PT) and activated partial thromboplastin time(APTT)  
**PRODUCT CODES:** QSV-1-CL Pro

**MANUFACTURER:** Micropoint Biotechnologies Co., Ltd.  
**DIVISION:** N/A  
**ADDRESS:** 3-5F, Building 1, Runheng Electronics Factory  
Liuxian 2 Road, Xinan Street, Baoan District  
518101 Shenzhen, China

**EMERGENCY PHONE:** +86 755 21600849  
**CHEMTREC PHONE:** (U.S.): 800-424-9300 (Outside U.S.): 703-527-3887  
**OTHER CALLS:** +86 755 21600849  
**FAX PHONE:** +86 755 86673903

**CHEMICAL NAME:** Does not apply  
**CHEMICAL FAMILY:** Does not apply  
**CHEMICAL FORMULA:** Does not apply

#### PRODUCT USE:

The liquid control is a phosphate buffered aqueous saline solution that contains trace protein hydrolysate contained in a plastic screw cap vial, 1.0 mL solution in a 2.0 mL plastic vial which is then put into the control kit. The control kit contains 2 vials for each level. The qLabs® Coag Vet Panel 2 Liquid Control is designed to provide verification of the system function for the qLabs® Vet Test strip for the measurement of Prothrombin Time (PT) and activated partial thromboplastin time(APTT) in fresh capillary or venous (not anticoagulated) whole blood. The qLabs® Vet Coag Panel 2 liquid control materials are intended for in vitro diagnostic use by patients or healthcare professionals who need to verify the operation of the qLabs® test system. It is suitable for canine and feline use only.

**PREPARED BY:** Micropoint Biotechnologies Co., Ltd.

#### SECTION 1 NOTES:

The liquid control is an aqueous solution of phosphate buffered saline with trace protein hydrolysate. The chemical components are completely self contained within the plastic vial. There is no release of material before, during, or after proper usage of the product. The exterior of the product is non-hazardous plastic.

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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#### INGREDIENT: Protein Hydrolysate

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
69430-36-0	<0.01	N/A	N/A
<u>EINECS NO.:</u> 274-001-1			

#### INGREDIENT: Sodium Chloride

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7647-14-5	5-10%	N/A	N/A
<u>EINECS NO.:</u> 231-598-3			

#### INGREDIENT: Water

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7732-18-5	87+%	N/A	N/A
<u>EINECS NO.:</u> 231-791-2			

#### INGREDIENT: Potassium Phosphate Dibasic



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<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7758-11-4	0-5%	N/A	N/A
<u>EINECS NO.:</u> 231-834-5			

**INGREDIENT:** Potassium Phosphate Monobasic

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
7778-77-0	<1.0%	N/A	N/A
<u>EINECS NO.:</u> 231-913-4			

**SECTION 2 NOTES:** A multiple use, non-hazardous aqueous liquid control

The aqueous liquid control is a phosphate buffered saline solution with trace proteins. The liquid control will have the following functions and attributes:

1. A screw cap bottle with a dropper insert where the user can apply the control directly to the Vet Coag Panel 2 strip
2. The liquid control is non-flammable
3. The major constituent is Water (H<sub>2</sub>O)
4. The liquid control is non-poisonous
5. The liquid control is non-corrosive

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### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** This is expected to be a low hazard for usual industrial handling. The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. Avoid contact with eyes and skin. Do not ingest or inhale. Target organs: None.

**ROUTES OF ENTRY:** Occupational exposure routes may include eye and skin contact.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Eye exposure may cause irritation, redness and watering.

**SKIN:** Skin contact may cause irritation, dryness and redness.

**INGESTION:** May cause irritation of the digestive tract. Low hazard for usual industrial handling.

**INHALATION:** May cause respiratory tract irritation. Low hazard for usual industrial handling.

**ACUTE HEALTH HAZARDS:** No data available.

**CHRONIC HEALTH HAZARDS:** No data available.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** No data available.

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**CARCINOGENICITY:** does not apply

OSHA: n/a

ACGIH: n/a

NTP: n/a

IARC: n/a

OTHER: n/a

**SECTION 3 NOTES:** None

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### SECTION 4: FIRST AID MEASURES

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**EYES:** Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.

**SKIN:** In case of contact, flush skin with copious amounts of cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.



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**INGESTION:** Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of water or milk. Wash mouth out with water. Get medical aid if irritation or medical symptoms develop or persist.

**INHALATION:** If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** none

**SECTION 4 NOTES:** None

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#### SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** No data available  
(% BY VOLUME)      **LOWER:** No data available

**FLASH POINT:** No data available

**F:** No data available

**C:** No data available

**METHOD USED:** No data available

**AUTOIGNITION TEMPERATURE:**

**F:** No data available

**C:** No data available

**NFPA HAZARD CLASSIFICATION**

**HEALTH: 1**

**FLAMMABILITY: 0**

**REACTIVITY: 0**

**OTHER:** No data available

**HMIS HAZARD CLASSIFICATION**

**HEALTH: n/a**

**FLAMMABILITY: n/a**

**REACTIVITY: n/a**

**PROTECTION: n/a**

**EXTINGUISHING MEDIA:** Substance is non-combustible. Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, or dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** No data available

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** No data available

**SECTION 5 NOTES:** Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Wear Personal Protective Equipment (PPE) as required. Avoid physical contact with material. Wash hands thoroughly after handling.

**SECTION 6 NOTES:** Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations. Avoid runoff into storm sewers and ditches that lead to waterways.

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#### SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Store and handle according to packaged instructions. Avoid ingestion and inhalation.



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**OTHER PRECAUTIONS:** Use adequate ventilation

**SECTION 7 NOTES:** None

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**VENTILATION :**General room ventilation

**RESPIRATORY PROTECTION:** Follow the OSHA respiratory regulations found in CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**EYE PROTECTION:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protective regulations in 20 CFR 1910.133 or in European Standard EN 166

**SKIN PROTECTION:** Wear appropriate protective gloves to prevent skin exposure

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear appropriate clothing to prevent skin contact

**WORK HYGIENIC PRACTICES:** None

**EXPOSURE GUIDELINES:** No data available

**SECTION 8 NOTES:** OSHA Vacated PELs: Sodium Chloride: None Listed, Water: None Listed, Potassium Phosphate dibasic: None Listed, Potassium Phosphate monobasic: None Listed

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** Liquid, Clear and colorless

**ODOR:** Weak Odor

**PHYSICAL STATE:** Aqueous Liquid

**pH AS SUPPLIED:** Not Available

**pH (Other):** Not Available

**BOILING POINT:** Aqueous solution

**F:** > 212 °F

**C:** > 100 °C

**MELTING POINT:** Does not apply

**F:** Not Available

**C:** Not Available

**FREEZING POINT:** Does Not Apply

**F:** 12 °F

**C:** 0 °C

**FLASH POINT:** Does not apply

**F:** >1832°F

**C:** >1000 °C

**VAPOR PRESSURE (mmHg):** Not Available

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**F:** Not Available

**C:** Not Available

**VAPOR DENSITY (AIR = 1):** > 1.0

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**F:** Not Available

**C:** Not Available

**SPECIFIC GRAVITY (H2O = 1):** Not Available



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F: Not Available

C: Not Available

EVAPORATION RATE: As Aqueous solution - low equal to water

BASIS (=1): > 1.0

SOLUBILITY IN WATER: Soluble in water

PERCENT SOLIDS BY WEIGHT: Not Available

PERCENT VOLATILE: Not Available

BY WT/ BY VOL @

F: Not Available

C: Not Available

VOLATILE ORGANIC COMPOUNDS (VOC): Not Available

WITH WATER: n/a LBS/GAL  
WITHOUT WATER: n/a LBS/GAL

MOLECULAR WEIGHT: Not Available

VISCOSITY: Not Available

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F: Not Available

C: Not Available

SECTION 9 NOTES: None

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### SECTION 10: STABILITY AND REACTIVITY

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X STABLE

UNSTABLE

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Incompatible materials, excess heat

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Acids, Strong Bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, carbon dioxide

HAZARDOUS POLYMERIZATION: Has not been reported

CONDITIONS TO AVOID (POLYMERIZATION): No Data available

SECTION 10 NOTES: None

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### SECTION 11: TOXICOLOGICAL INFORMATION

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#### TOXICOLOGICAL INFORMATION:

RTECS#:

CAS# 7647-14-5: VZ4725000

CAS# 7732-18-5: ZC0110000

CAS# 7758-11-4: None listed

CAS# 7778-77-0: TC6615500

CAS#69430-36-0: None Listed

RTECS#:

**CAS# 7647-14-5:** Draize test, rabbit, eye: 100 mg Mild;

Draize test, rabbit, eye: 100 mg/24H Moderate;

Draize test, rabbit, eye: 10 mg Moderate;

Draize test, rabbit, skin: 50 mg/24H Mild;



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Draize test, rabbit, skin: 500 mg/24H Mild;  
Inhalation, rat: LC50 = >42 gm/m<sup>3</sup>/1H;  
Oral, mouse: LD50 = 4 gm/kg;  
Oral, rat: LD50 = 3000 mg/kg;  
Skin, rabbit: LD50 = >10 gm/kg;

RTECS#: **CAS# 7732-18-5:** Oral, rat: LD50 = >90 mL/kg;

RTECS#: **CAS# 7758-11-4:**

RTECS#: **CAS# 7778-77-0:** Skin, rabbit: LD50 = >4640 mg/kg;

RTECS#: **CAS# 69430-36-0:**

**Carcinogenicity:**

Sodium Chloride - Not Listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Water - Not Listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65  
Potassium Phosphate dibasic - Not Listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65  
Potassium Phosphate monobasic - Not Listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65

**SECTION 11 NOTES:** None

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#### SECTION 12: ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION:** No Data available

**SECTION 12 NOTES:** None

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#### SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Dispose of unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations

**RCRA HAZARD CLASS:** None

**SECTION 13 NOTES:** None

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#### SECTION 14: TRANSPORT INFORMATION

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**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** Not classified as dangerous goods. Not regulated per IATA and DOT regulations

**ID NUMBER:**

**PACKING GROUP:**

**LABEL STATEMENT:** Plastic Vial with aqueous solution

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** Not classified as dangerous goods. Not regulated per IATA and DOT regulations

**ID NUMBER:**

**PACKING GROUP:**

**LABEL STATEMENTS:** Plastic Parts

**AIR TRANSPORTATION**



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**PROPER SHIPPING NAME:**

**HAZARD CLASS:** Not classified as dangerous goods. Not regulated per IATA and DOT regulations.

**ID NUMBER:**

**PACKING GROUP:**

**LABEL STATEMENTS:** Plastic Vial with aqueous solution

**OTHER AGENCIES:** No data available

**SECTION 14 NOTES:** None

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#### SECTION 15: REGULATORY INFORMATION

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**U.S. FEDERAL REGULATIONS:** This preparation is a component of an FDA-regulated in vitro diagnostic device

**Inventory - United States - Section 8(b) Inventory (TSCA):**

CAS# 7647-14-5 is listed on the TSCA Inventory.  
CAS# 7732-18-5 is listed on the TSCA Inventory.  
CAS# 7758-11-4 is listed on the TSCA Inventory.  
CAS# 7778-77-0 is listed on the TSCA Inventory.  
CAS# 69430-36-0 is listed on the TSCA Inventory

**STATE REGULATIONS:** No data available

**WGK (Water Danger/Protection)**

CAS# 7647-14-5: 0  
CAS# 7732-18-5: Not available  
CAS# 7758-11-4: 1  
CAS# 7778-77-0: 1  
CAS# 69430-36-0: Not Available

**CANADA REGULATIONS**

CAS# 7647-14-5 is listed on Canada's DSL List  
CAS# 7732-18-5 is listed on Canada's DSL List  
CAS# 7758-11-4 is listed on Canada's DSL List  
CAS# 7778-77-0 is listed on Canada's DSL List  
CAS# 69430-36-0 is listed on Canada's DSL List  
Canadian WHMIS Classifications: Not available  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.  
CAS# 7647-14-5 is not listed on Canada's Ingredient Disclosure List.  
CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.  
CAS# 7758-11-4 is not listed on Canada's Ingredient Disclosure List.  
CAS# 7778-77-0 is not listed on Canada's Ingredient Disclosure List.  
CAS# 69430-36-0 is not listed on Canada's Ingredient Disclosure List.

**SECTION 15 NOTES:** This preparation is not classified as hazardous under U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30. None of the components present in this preparation are listed by IARC, NTP, OSHA or ACGIH as a carcinogen

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#### SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:**

**PREPARATION INFORMATION:** INFORMATION: This MSDS has been prepared in accordance with the ANSI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirements of the U.S. OSHA Hazard Communication Standard, Canadian



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Controlled Products Regulation (CPR), UKChemical Hazard Information and Packaging Regulations, European Communities REACH Regulation, and UN Globally Harmonized System of Classification and Labeling of Chemicals.

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