



MATERIAL SAFETY DATA SHEET

qLabs[®] Re-Calcification Reagent

MSDS DATE: 2020-01-07

FILE NO.: MSDS012
Document Revision No.: A2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: qLabs[®] Re-Calcification Reagent
SYNONYMS: CaCl₂ Solution
PRODUCT CODES: QSV-1-RC 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:

qLabs[®] Re-Calcification Reagent is designed to re-calcify citrated animal whole blood for qLabs[®] Prothrombin Time (PT) and Activated Partial Thromboplastin Time (APTT) test. The liquid portion of the reagent is Calcium Chloride aqueous solution at 75 mM stored in a capped tube. It is suitable for canine and feline use only.

PREPARED BY: Micropoint Biotechnologies Co., Ltd.

SECTION 1 NOTES:

qLabs[®] Re-Calcification Reagent is 75 mM calcium chloride aqueous solution. The chemical components are completely self contained within the tube. There is no release of material before, during, or after proper usage of the product. The exterior of the product is non-hazardous plastic.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Calcium Chloride

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
10043-52-4	<1%	N/A	N/A
<u>EINECS NO.:</u> 233-140-8			

SECTION 2 NOTES: A multiple use, non-hazardous CaCl₂ solution qLabs[®] Calcification Reagent.

The Calcification Reagent is 75 mM calcium chloride aqueous solution. The reagent will have the following functions and attributes:

1. A tube with Aluminum foil sealed nested in a large tube
2. The solution is non-flammable
3. The major constituent is Water (H₂O)
4. The solution is non-poisonous
5. The solution is non-corrosive

SECTION 3: HAZARDS IDENTIFICATION

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.



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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.

CARCINOGENICITY: does not apply

OSHA: n/a

ACGIH: n/a

NTP: n/a

IARC: n/a

OTHER: n/a

SECTION 3 NOTES: None

SECTION 4: FIRST AID MEASURES

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.

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

SECTION 5: FIRE-FIGHTING MEASURES

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



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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

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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.

OTHER PRECAUTIONS: Use adequate ventilation

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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: Calcium Chloride: None Listed, Water: None Listed



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: transparent liquid

ODOR: Weak Odor

PHYSICAL STATE: Liquid

pH AS SUPPLIED: Not Available

pH (Other): Not Available

BOILING POINT: Does Not apply

F: > Not Available

C: > Not Available

MELTING POINT: Does not apply

F: Not Available

C: Not Available

FREEZING POINT: Does Not Apply

F: Not Available

C: Not Available

VAPOR PRESSURE (mmHg): Not Available

@

F: Not Available

C: Not Available

VAPOR DENSITY (AIR = 1): > 1.0

@

F: Not Available

C: Not Available

SPECIFIC GRAVITY (H₂O = 1): Not Available

@

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

@

F: Not Available

C: Not Available

SECTION 9 NOTES: None

SECTION 10: STABILITY AND REACTIVITY

X STABLE

UNSTABLE

STABILITY: Stable



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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

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not Available

Carcinogenicity:

Water - Not Listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Data available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

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

SECTION 14: TRANSPORT INFORMATION

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: 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: Aqueous solution

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: aqueous solution

OTHER AGENCIES: No data available

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

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):

STATE REGULATIONS: No data available

WGK (Water Danger/Protection)

CANADA REGULATIONS

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

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

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

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