

Canine Heartworm Lateral Flow (CHW-LF)

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Canine Heartworm Lateral Flow

Product Form: Mixture

Product Code: CHW-LF

Intended Use of the Product: For Laboratory Use

Manufacturer:

SafePath Laboratories, LLC.

5909 Sea Lion Place, Suite D

Carlsbad, CA 92010 USA

Telephone: (760) 929-7744

Emergency: (760) 929-7744 – During Business Hours 7:00 am to 3:00 pm

SECTION 2: HAZARDS IDENTIFICATION

GHS-US Classification: Not classified

GHS Label Elements: No labeling applicable

Other Hazards: Exposure may aggravate pre-existing eye, skin or respiratory conditions.

Unknown Acute Toxicity: No Data Available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Hazardous Components (Chase Buffer):

Name	CAS No	% Composition	GHS-US classification
Sodium Azide	26628-22-8	0.1	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
EDTA (Trisodium salt)	85715-60-2	0.36	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335

Full text of H-phrases: see section 16

SECTION 4: 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).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Get immediate medical advice/attention if irritation develops and persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention if irritation develops and persists.

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Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important symptoms and effects, both acute and delayed: See sections 2 and/or 11

Indication of Any Immediate Medical Attention and Special Treatment Needed: No additional information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Hazards Arising from the Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Precautionary Measures: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

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Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers. Halogenated hydrocarbons. Metals.

Specific End Use(s): No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Sodium Azide (26628-22-8)		
USA ACGIH	ACGIH Ceiling (mg/m ³)	0.29 mg/m ³
USA ACGIH	ACGIH Ceiling (ppm)	0.11 ppm (vapor)
USA ACGIH	ACGIH chemical category	Not classifiable as a human carcinogen
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	0.3 mg/m ³
USA IDLH	NIOSH REL (ceiling) (ppm)	0.1 ppm

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective glasses or goggles.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

	Chase Buffer	Test Device
Physical State:	Liquid	Solid
Odor:	No data available	No data available
Odor Threshold:	No data available	No data available
pH:	≈ 8.2	Not applicable
Evaporation Rate:	No data available	No data available
Melting/Freezing Point:	≈ 0 °C (32 °F)	No data available
Boiling Point:	≥ 100 °C (212 °F)	No data available
Flash Point:	No data available	Not applicable
Auto-ignition Temperature:	No data available	No data available
Decomposition Temperature:	No data available	No data available
Flammability (solid, gas):	No data available	No data available
Vapor Pressure:	No data available	No data available
Relative Vapor Density at 20 °C:	No data available	No data available
Relative Density:	No data available	No data available
Specific Gravity:	≈ 1	Not applicable
Solubility:	Complete in water	Not applicable
Partition Coefficient: N-Octanol/Water:	No data available	No data available
Viscosity:	No data available	No data available
Other Information:	No additional information available.	

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7)

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Halogenated hydrocarbons. Metals.

Hazardous Decomposition Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Sodium oxides. Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity: Oral: Harmful if swallowed. Dermal: Harmful in contact with skin

Sodium azide (26628-22-8)	
LD50 Oral Rat	27 mg/kg
LD50 Dermal Rabbit	20 mg/kg
Tween-20 (9005-64-5)	

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LD50 Oral Rat	>18,000 mg/kg
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Skin Corrosion/Irritation: Not classified (pH: ≈ 8.2)

Serious Eye Damage/Irritation: Not classified (pH: ≈ 8.2)

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight eye irritation.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology-General: Not classified.

Sodium Chloride (7647-14-5)	
LC50 Fish 1	5,560 (5,560 - 6,080) mg/l (Exposure time: 96 h - Species: Lepomis)
EC50 Daphnia 1	1,000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Sodium Azide (26628-22-8)	
LC50 Fish 1	0.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC 50 Fish 2	0.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
ErC50 (algae)	0.348 mg/l

Persistence and Degradability: May cause long-term adverse effects to the environment.

Bioaccumulative Potential: No additional information available.

Mobility in Soil: No additional information available.

Other Adverse Effects: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions

Ecology-Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways

SECTION 14: TRANSPORT INFORMATION

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In Accordance with DOT: Not regulated for transport
In Accordance with IMDG: Not regulated for transport
In Accordance with IATA: Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

Sodium chloride (7647-14-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Tween 20 (9005-64-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium Azide (26628-22-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 (This material is a reactive solid. The TPQ does not default to 10,000 pounds for non-powder, non-molten, non-solution form)
SARA Section 313 - Emission Reporting	1.0 %

US State Regulations

Sodium Azide (26628-22-8)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Tris (hydroxymethyl) aminomethane (77-86-1)	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

GHS Full Text Phrases:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal) Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral) Category 2
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H300	Fatal if swallowed
H310	Fatal in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation

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H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Revision Date: 11/22/16

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.