LLOYD, Inc.

SAFETY DATA SHEET

HYDRA-LYTE® Revision 01 Revision Date: 23 July 2015

1. IDENTIFICATION

Product Name: Hydra-Lyte®

Synonyms: Electrolyte Replacement and Nutritional Supplement

Company: **LLOYD, Inc.**
604 West Thomas Avenue
P.O. Box 130
Shenandoah, IA 51601-0130
USA
(712) 246-4000

Emergency Contact: National Capital Poison Center
(800) 222-1222

Recommended Use: Electrolyte replacement and nutritional supplement in young calves, lambs and foals.

2. HAZARDS IDENTIFICATION

WARNING

EYE: This product is not expected to irritate the eyes under normal conditions of use.

SKIN CONTACT: This product is not expected to irritate the skin under normal conditions of use.

INGESTION: This has not been evaluated.

INHALATION: Inhalation exposure under normal conditions of use is not likely to cause adverse effects, however irritation may occur with prolonged excessive exposure to dust.

Potassium Chloride--May cause temporary eye irritation. May be irritating to skin of susceptible persons, particularly in cuts or open wounds. Repeated or prolonged contact may cause dermatitis. May be irritating to nose and throat upon inhalation. High concentrations of dust (up to 2,000 mg/m^3) may cause perforation of the nasal septum. Long term exposure to high concentrations could cause chronic cough and mild bronchitis. There is no evidence of permanent lung damage. Ingestion of a large amount may cause irritation of the gastrointestinal tract, cramps, diarrhea, tingling of hands or feet, weak pulse and circulatory disturbances. Oral LD50 (rat): 3,020 mg/kg; Eye Irritation (rabbit): 500 mg/24 hr: Severe irritant. RTECS, 1982, cites a mutation reference.

Sodium Citrate--May cause eye and skin irritation. Breathing of dust can cause irritation of nasal and respiratory passages. Ingestion may cause gastrointestinal irritation.

Sodium Chloride--Breathing dust may cause mild irritation to mucous membrane in nose and throat.

INFORMATION ON INGREDIENTS

(% w/w), unless otherwise noted

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm OSHA PEL	ACGIH TLV (mg/m^3)
Potassium Chloride	7447-40-7	2.6	15 Total 5 (Respirable Dust)	10 Total
Sodium Citrate	68-04-2	1.1	--None Established--	
Sodium Chloride	7647-14-5	1.0	--None Established--	
Glycine	56-40-6	1.4	--None Established--	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Only those ingredients composing ≥1% (≥0.1% for carcinogens or suspect carcinogens) of the formula (w/w) and which have hazards identified are listed.

3. FIRST AID MEASURES

EYES: Immediately flush eyes with copious amounts of running water for 15 minutes.

SKIN: Wash with soap and water.

INGESTION: Treatment may not be necessary. If treatment is required, it is symptomatic and supportive with emphasis on maintaining hydration and on gastrointestinal protection.

INHALATION: If a person has been exposed to excessive quantities of dust due to mishaps, move the person to fresh air. Give artificial respiration if not breathing.

SEEK MEDICAL ATTENTION IMMEDIATELY IF EXCESSIVE EXPOSURE OCCURS.

4. FIREFIGHTING MEASURES

This has not been evaluated.

Extinguishing media: Water fog, alcohol foam, CO_2, dry chemical.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic materials (carbon dioxide and carbon monoxide, various hydrocarbons, etc.) may form from decomposition of sodium citrate. Thermal degradation of glycine may produce nitrogen oxides and carbon monoxide or carbon dioxide. When subjected to very high temperatures, potassium chloride may release small amounts of chlorine gas.

5. ACCIDENTAL RELEASE MEASURES

Action to take for spills/leaks: Sweep up and dispose of in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

6. HANDLING AND STORAGE

Special precautions to be taken in handling and storage: Exercise reasonable care and caution.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

There is no OSHA PEL or ACGIH TLV for this product. Under normal conditions of use, no special handling precautions are required in areas with adequate ventilation. However, under conditions of prolonged exposure in which quantities of dust are generated, mechanical ventilation, safety glasses with side shields, gloves and a NIOSH approved dust respirator are recommended.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White, water-soluble powder.

Other physical data have not been determined.

9. STABILITY AND REACTIVITY

This has not been evaluated. The product is expected to be stable under normal storage conditions; avoid strong oxidizers.

Potassium chloride has the following incompatibilities. Contact with hot nitric acid may cause evolution of toxic nitrosyl chloride. Contact with other strong acids may produce irritating hydrogen chloride gases. In presence of moisture may be mildly corrosive to metals. Avoid contact with bromine trifluoride and potassium permanganate plus sulfuric acid. Oxides of the contained metal and chlorine are hazardous decomposition products.

10. TOXICOLOGICAL INFORMATION

N/A

11. ECOLOGICAL INFORMATION

Action to take for spills/leaks: Sweep up and dispose of in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

12. DISPOSAL CONSIDERATIONS

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

13. TRANSPORT INFORMATION

No special transportation required

14. REGULATORY INFORMATION

(Not meant to be all-inclusive--selected regulations represented.)
NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See SDS for health and safety information.

U.S. REGULATIONS: SARA HAZARD CATEGORY: This product has been reviewed according to the federal EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to be exempt from reporting requirements. Nevertheless, potential reporters should check with their state emergency response commissions to determine if this product must be reported under applicable state requirements.

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15. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.