1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the substance or mixture

Product Name FARMWORKS LIQUID TANK CLEANER

Use of the Substance/Mixture

Recommended Use Agriculture - Cleaner - Refer to product label for application instructions

Company/Undertaking Identification

Distributed by

Ragan & Massey, Inc.
101 Ponchatoula Parkway
Ponchatoula, Louisiana 70454
United States

Emergency and contact telephone numbers

Emergency telephone number	**1 (800) 434-9300**	**CHEMTREC® (24 hrs)**
	1 (703) 527-3887	
	1 (800) 222-1222	**Poison Control Center**
Contact telephone number	**1 (800) 264-5281**	**Product Information**
	1 (985) 386-6042	

2. HAZARDS IDENTIFICATION

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Health Hazards

Acute toxicity	**Oral**	Category 4
	Dermal	Category 1
	Inhalation	Category 1
Skin Irritation		Category 2
Serious Eye Damage/Eye Irritation		Category 1

Label Elements

Signal Word **DANGER**

Precautionary Statement

General If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Avoid breathing fumes, mist, vapors, or spray. Wash hands, face, and other affected areas thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well ventilated area. Wear protective gloves / protective clothing / eye protection / face protection. Avoid release to the environment.

Response IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell. Rinse mouth. IF ON SKIN: Call a POISON CENTER or doctor /physician

if you feel unwell. Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: get medical advice or attention. IF INHALED: Call a POISON CENTER / doctor / seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call POISON CENTER or doctor / physician. If eye irritation persists: Get medical advice / attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percentage	CAS-Number
Ammonium Hydroxide	1–5%	1336-21-6
Proprietary Blend of Surfactants and Coupling Agents	1–5%	N/A
Water	90–98%	7732-18-5

4. FIRST AID MEASURES

IF IN EYES Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED After vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self contained breathing apparatus. Keep person warm and at rest. If breathing is difficult give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediately medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

IF SWALLOWED Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Extinguishing Media Use dry chemical, foam, or carbon dioxide (CO_2).

Fire Fighting Procedures	Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or pubic waters.
Fire Fighting Equipment	As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Response	Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.
Personal Protective Equipment	The proper personal protective equipment for incidental releases (such as 1 liter of product released in a well ventilated area), use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.
Environmental Precautions	Very toxic to aquatic life with long lasting effects. Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance.
Containment and Cleanup	Absorb spilled liquid with polypads or other absorbent materials. If necessary neutralize using suitable buffering material (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

7. HANDLING AND STORAGE

Handling	Follow all SDS / label precautions when using this product. Do not reuse the container.
Storage	Store between 40°F and 120°F.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.
Ventilation System	A system of local and / or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Respiratory Protection	For most conditions, no respiratory protection should be needed; however, use NIOSH/MSHA approved organic vapor respirator as necessary.
Eye Protection	Wear OSHA standard chemical splash goggles.
Skin Protection	For brief contact, no precautions other than clean body-covering clothing should be need. Use impervious gloves such as neoprene.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Odor	Mild
pH (5% aqueous solution)	Not applicable
Freeze/Melting Point	Not determined
Boiling Point/Range	Not determined
Specific Gravity (20°C)	1.01–1.015
Flash Point	> 93°C
Color	Not determined
Solubility in Water	Soluble
Viscosity	Not determined

Odor Threshold	Not determined
Evaporation Rate	Not determined
Upper/Lower Flammability Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Partition Coefficient	Not determined
Auto-Ignition Point	Not determined
Decomposition Temperature	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperatures and atmospheric pressure.
Conditions to Avoid	No specific data.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous Polymerization	Will not occur under normal conditions of use and storage.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Based on product composition	
LD_{50} Oral	**Rat**	> 4,000 mg/kg
LD_{50} Dermal	**Rabbit**	> 4,000 mg/kg

Eye	Will cause damage to eyes including redness, tearing, blurred vision and discomfort.
Skin	May cause irritation to skin including defatting and dermatitis. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling.
Inhalation	May irritate the respiratory tract and cause discomfort to nose and throat.
Ingestion	Can cause sever abdominal irritation, nauseau, vomiting and diarrhea. Do not taste or swallow product.
Chronic Exposure	No data available
Aggravation of Pre-Existing Conditions	No data available
Specific Target Organ Toxicity	
Single Exposure	No data available
Repeated Exposure	No data available
Germ Cell Mutagenicity	No data available
Reproductive Toxicity	No data available
Aspiration Hazard	No data available

12. ECOLOGICAL INFORMATION

Environmental Data	Not determined

13. DISPOSAL CONSIDERATIONS

Disposal Method	Do not contaminate water, food, or feed by disposal.
Product Disposal	Disposal of contents / container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).
Empty Container	Empty containers must be handled properly due to product residue.

14. TRANSPORT INFORMATION

Shipping Description Not regulated for ground transportation by US DOT

Hazard Class:	55
ID Number:	NA
Packing Group:	NA
Label Statement:	NA

15. REGULATORY INFORMATION

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazardous	No
302/304 Emergency Planning	None

16. OTHER INFORMATION

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