# SAFETY DATA SHEET

# 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Laidlaw RSR (Rapid Stain Remover) Digester

**OTHER MEANS OF IDENTIFICATION:** Not applicable.

**GENERAL USE:** For professional laundry & wetcleaning use only.

**PRODUCT DESCRIPTION:** Digester

#### **MANUFACTURER**

Adco Professional Products LLC 1706 Ledo Rd. Albany, GA 31707

**Product Information:** 800-323-7206 (USA

& Canada only)

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

Medical Emergency: 866-303-6947 (USA & Canada

only) **or** 651-632-9272

Transportation Emergency: 800-424-9300 (USA &

Canada only) or 703-527-3887

### 2. HAZARDS IDENTIFICATION

# GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Irritation: Category 2B Sensitization – Respiratory: Category 1

### **GHS LABEL ELEMENTS**

### Symbol(s):





Signal Word: Danger

### **Hazard Statements:**

H315 – Causes skin irritation.

H320 – Causes eye irritation.

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

# **Precautionary Statements:**

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P262 – Do not get in eyes, on skin or on clothing.

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P285 – In case of inadequate ventilation wear respiratory protection.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P304+P341 – IF INHALED: If breathing is difficult, remove affected person to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332+P313 – If skin irritation occurs: Get medical advice/attention.

P337+P313 – If eye irritation persists: Get medical advice/attention.

P342+P311 – IF experiencing respiratory symptoms, call a POISON CENTER or doctor/physician. P362+P364 – Take off contaminated clothing and wash before reuse.

P403+P233+P235 – Store in a dry, well-ventilated place. Keep container tightly closed. Keep cool.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards:** Repeated inhalation of enzyme dust or aerosols resulting from improper handling may induce sensitization and may cause allergic type 1 reactions in sensitized individuals.

Unknown Acute Toxicity: Not applicable.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

The specific identity of one or more component(s) of this product are withheld as a trade secret.

Chemical Name	Wt.%	CAS#
Sodium tripolyphosphate	< 10	7758-29-4
Subtilisins	< 30	9014-01-1
Disodium Phosphate	< 35	7558-79-4

**COMMENTS:** None.

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek immediate medical attention.

**SKIN:** Wash skin contact area with plenty of soap and water. Seek immediate medical attention if a rash or irritation occurs. Remove and wash contaminated clothing before re-use.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician. Give several glasses of water.

**INHALATION:** Remove affected person to fresh air. If not breathing, give artificial respiration and seek immediate medical attention.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Dryness, tearing and mild to severe irritation depending upon duration of contact.

**SKIN:** Irritation, dryness, reddening of the skin.

**SKIN ABSORPTION:** Insufficient data available.

**INGESTION:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INHALATION: May cause coughing, sneezing, shortness of breath, and irritation to the nose,

throat and lungs.

**ADDITIONAL INFORMATION:** After emergency actions, call the emergency medical information number on page 1 or a physician immediately.

#### 5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not applicable.

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide.

**OTHER CONSIDERATIONS**: May cause allergic respiratory reaction.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. Use water spray to cool fire-exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls / Personal Protection section (see section 8). Flush cleaned area thoroughly with water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing. All spilled material must be contained and kept out of waterways, sewers and drains.

**LARGE SPILL:** Contain spill. Avoid breathing dust. Clean up spills immediately with absorbent material, observing precautions in the Exposure Controls / Personal Protection section (see section 8). Flush cleaned area thoroughly with water. Spilled material should be removed immediately to avoid formation of dust from dried material. Take up by mechanical means preferably by a vacuum cleaner equipped with a high efficiency filter. Flush remainder carefully with plenty of water. Avoid splashing and high pressure washing (avoid formation of aerosols). Ensure sufficient ventilation. Wash contaminated clothing. All spilled material must be contained and kept out of waterways, sewers and drains.

# 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep out of the reach of children.

**HANDLING:** Ensure adequate ventilation. Avoid formation of dust and aerosols. Wash hands thoroughly after handing. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Store in labeled, tightly sealed containers in a cool, dry area (0-25 °C/32-77 °F). Protect from the sun.

**ELECTROSTATIC ACCUMULATION HAZARD:** Not applicable.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES:** 

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

# **EXPOSURE LIMITS**

		OSHA PEL		ACGIH TLV		Supplier OEL	
		<u>ppm</u>	$\underline{mg/m^3}$	<u>ppm</u>	$mg/m^3$	<u>ppm</u>	$mg/m^3$
Sodium tripolyphosphate	TWA	$NE^{[1]}$	NE	NE	NE		
	STEL	NE	NE	NE	NE		
Subtilisins	TWA	NE	NE	NE	$0.00006^{[2]}$		
	STEL	NE	NE	NE	NE		
Disodium Phosphate	TWA	NE	NE	10	NE		
	STEL	NE	NE	NE	NE		

# **TABLE FOOTNOTES:**

- 1. NE=Not established.
- 2. Ceiling (as crystalline active enzyme, listed under Subtilisins)

The specific identity of one or more component(s) of this product are withheld as a trade secret. ENGINEERING CONTROLS: Local exhaust may be required to control dust concentration.

### PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses and chemical splash goggles.

**SKIN:** Rubber, Neoprene, or Barrier<sup>TM</sup> gloves.

**RESPIRATORY:** NIOSH/MSHA approved dust respirator may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Where contact is likely, wear the appropriate chemical resistant equipment, which depending on circumstances may include chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

**WORK HYGIENIC PRACTICES:** Wash thoroughly after handling. Do not eat or drink in work area. **OTHER USE PRECAUTIONS:** Have eye wash station available. Do not wear contact lenses without eye protection.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** White powder. **PHYSICAL STATE:** Solid

COLOR: White.

**ODOR:** Low to no odor

**ODOR THRESHOLD:** No data available.

**pH:** No data available.

FREEZING POINT: No data available.
INITIAL BOILING POINT: Not applicable.

FLASHPOINT: Not applicable.

**EVAPORATION RATE:** Not applicable.

FLAMMABILITY (Solid, Gas): Non-flammable.

FLAMMABLE LIMITS: Not applicable.
VAPOR PRESSURE: No data available.
VAPOR DENSITY: No data available.
RELATIVE DENSITY: No data available.

**SOLUBILITY IN WATER:** Soluble.

**PARTITION COEFFICIENT (Log Kow):** No data available.

**AUTOIGNITION TEMPERATURE:** Not applicable.

**DECOMPOSITION TEMPERATURE:** No data available.

VISCOSITY: Not applicable.

PERCENT VOLATILE: No data available.

# 10. STABILITY AND REACTIVITY

**REACTIVITY:** No.

**CHEMICAL STABLITY:** Stable.

POSSIBILITY OF HAZARDOUS REACTIONS: Polymerization will not occur.

**CONDITIONS TO AVOID:** Moisture may cause clumps and caking together of the powder Dusting conditions, extreme heat, extreme humidity.

**INCOMPATIBLE MATERIALS:** Strong acids, alkaloids, pyrogallol, lead acetate, resorcinol. **HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Sodium and Phosphorus.

### 11. TOXICOLOGICAL INFORMATION

**ROUTES OF ENTRY:** Inhalation and skin.

**ACUTE TOXICITY (ATE)** 

**DERMAL LD**<sub>50</sub>: 7,761 mg/kg (Rabbit) **ORAL LD**<sub>50</sub>: 2,718 mg/kg (Rat).

**INHALATION LC**<sub>50</sub>: Insufficient data available.

#### CHRONIC TOXICITY

**TARGET ORGANS:** Respiratory tract.

SENSITIZATION: Contains protease. Inhalation of enzyme dust may induce sensitization and

may cause allergic reactions

# **CARCINOGENICITY**

IARC: Not listed as a carcinogen.NTP: Not listed as a carcinogen.OSHA: Not listed as a carcinogen.

**OTHER:** No data available.

**OTHER:** No data available.

**REPRODUCTIVE EFFECTS:** Insufficient data available.

MUTAGENICITY: Insufficient data available. SYNERGISTIC MATERIALS: None known.

### POTENTIAL HEALTH EFFECTS

**EYES:** Insufficient data available. **SKIN:** Insufficient data available.

**SKIN ABSORPTION:** Insufficient data available. **INGESTION:** May be harmful if swallowed.

**ASPIRATION HAZARD:** Insufficient data available.

INHALATION: May be harmful if inhaled. Inhalation of enzyme dust may induce sensitization

and may cause allergic reactions.

MEDICAL CONDITIONS AGGRAVATED: Insufficient data available.

# 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** A component of this product has moderate aquatic toxicity.

PERSISTENCE AND DEGRADABILITY: Insufficient data available.

BIOACCUMULATIVE POTENTIAL: Insufficient data available.

MOBILITY IN SOIL: Insufficient data available.

OTHER ADVERSE EFFECTS: No data available.

# 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with federal, state and local regulations.

**EMPTY CONTAINER:** Not applicable.

RCRA/EPA WASTE INFORMATION: Contains no material listed by RCRA as a hazardous waste.

### 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated.

**OTHER SHIPPING INFORMATION:** Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated.

**OTHER SHIPPING INFORMATION:** Not applicable.

# AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated.

### 15. REGULATORY INFORMATION

### **UNITED STATES**

# SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: No. PRESSURE GENERATING: No. REACTIVITY: No. ACUTE: Yes.

CHRONIC: No.

313 REPORTABLE INGREDIENTS: None.

# CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA RQ:** 5000 lbs (sodium tripolyphosphate) 5000 lbs (disodium phosphate)

**REPORTABLE SPILL QUANTITY:** ≥ 11,111 lbs

**RCRA STATUS:** See section 13.

#### **MEXICO**

Not regulated for transport.

# **STATE REGULATIONS**

#### **MASSACHUSETTS**

Contains one or more substances regulated by the Massachusetts Substance List.

# **NEW JERSEY**

Sodium tripolyphosphate, subtilisins and disodium phosphate are classified as workplace hazards.

# **PENNSYLVANIA**

Contains one or more substances on the Pennsylvania Hazardous Substance List.

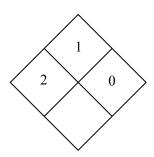
### **CALIFORNIA**

PROPOSITION 65 STATEMENT: This product contains no ingredients known to the state of California to cause cancer, birth defects, or other reproductive harm.

# 16. OTHER INFORMATION

HMIS RATINGS			
HEALTH:	2		
FLAMMABILITY:	1		
REACTIVITY:	0		
PERSONAL PROTECTION:	В		

# NFPA RATINGS



**SDS Revision Date:** December 17, 2015