

**Section 1. Identification****Product Name:** TDQ Extend™**Effective Date:** 15 May 2026**Replaces:** 7 December 2023**Manufacturer Name:** Silpro LLC**Address:** 2 New England Way

Ayer, MA 01432-1514

24/7 EMERGENCY PHONE: INFOTRAC 800-535-5053 Call collect internationally 352-323-3500.**Refer to ID # 84653****24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.**Section 2. Hazard(s) Identification****Emergency overview:** Solid white granules little odor. TDQ Extend™ may cause eye irritation. Inhalation may cause respiratory irritation.**GHS Pictograms:** None.**GHS Signal Word:** None**POTENTIAL HEALTH EFFECTS:****CODE OF HAZARD STATEMENTS:**

Physical hazards

None.

Health Hazards

H302, Harmful if swallowed.

H319, Causes eye irritation.

H333, May be harmful if inhaled.

Environmental hazards

H402, Harmful to aquatic life.

CODE OF PRECAUTIONARY STATEMENTS:

General

P101, Keep out of reach of children.

P103, Read label before use.

Prevention

P234, Keep only in original container.

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

P264, Wash thoroughly after handling.

P270, Do not eat, drink or smoke when using this product.

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

Response

P312, Call a POISON CENTER or doctor/physician if you feel unwell.

P331, DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P402, Store in a dry place.

P403, Store in a well-ventilated area.

ROUTES OF ENTRY: Eye contact, skin adsorption, ingestion and inhalation.**CARCINOGENICITY:** None.**Section 3. Composition/Information on Ingredients**

Ingredients			
Component	CAS #	EINECS #	Percent
Sodium citrate dihydrate	6132-04-3	200-675-3	100

**Section 4. First Aid Measures**

Eye Contact: Flush eyes with water immediately while holding eyelids open. Remove contacts, if worn, after initial flushing and continue flushing for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Use soap and water to remove from the skin, remove contaminated clothing, clean thoroughly before reuse. If irritation persists, contact a physician.

Inhalation: Move to fresh air. If not breathing, give rescue breathing. If breathing is difficult, give oxygen. Seek medical attention if breathing is still difficult.

Ingestion: If swallowed, get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flash Point: Not combustible.

Fire Fighting Media: Use dry chemical and carbon dioxide.

Special Fire Fighting Procedures: Product will decompose above 446°F (230°C). First responders need to wear full-bunker gear with SCBA, never enter a confined space unless fully protected with proper personal protective equipment (PPE).

Section 6. Accidental Release Measures

Use personal protective equipment, see section 8.

Clean-up Procedures: Stop the source of the release if you are not put at risk. Use shovel to pick up absorbent for disposal.

Spills and Leaks: Dispose in accordance to local, state or federal regulations.

Section 7. Handling and Storage

Handling: Do not get into eyes, on skin and on clothing. Do not breathe dusts or mists. Wash thoroughly after handling. Do not freeze. Keep out of sunlight.

Storage: Store in original labeled container. Keep in cool and dry areas.

Section 8. Exposure Controls/Personal Protection

Introductory Remarks: Consider the potential hazards of this product outlined in section 2. Use process exposures such as local exhaust ventilation, to control over exposure to airborne levels above recommended exposure limits.

Ingredient	OSHA PEL
Sodium citrate dihydrate powder	10 mg/L

Personal Protection:

Eyes: Wear safety goggles or safety glasses to prevent eye contact.

Body: Long sleeve shirts, long pants, socks, rubber boots and chemical-resistant gloves.

Hands: Rubber gloves.

Respiratory: Wear an approved respirator that provides protection from this product if the airborne concentrations exceed the recommended exposure limits.

Section 9. Physical and Chemical Properties

Odor/Color	White granules/Slight odor	Solubility	70% in water
Specific gravity (water=1)	1.73	Autoignition temperature	653°F (345°C)
Melting point	572°F (300°C)	Decomposition temperature	446°F (230°C)

Section 10. Stability and Reactivity

Chemical Stability: Considered stable under normal ambient temperatures.

Hazardous Decomposition: If complete combustion, oxides of carbon and silicate are formed.

Hazardous Polymerization: Will not occur.



Incompatibility - Materials to Avoid: Strong oxidizing agents, strong reducing agents, acids and base. Direct sunlight.

Section 11. Toxicological Information

The product is not toxic.

Oral LD₅₀ (Mouse) = 5,400 mg/KG Dermal LD₅₀ (rat) = 7,200 mg/KG

Acute Eye Irritation: Mild eye irritation.

Acute Skin Irritation: Very little.

Acute Dermal Toxicity: Not expected to be toxic through the skin.

Acute Inhalation Toxicity: Not determined, expected to be an irritant to the respiratory system.

Carcinogenic Effects: None.

Section 12. Ecological Information

Ecotoxicity:

Algae EC₅₀ =>1.8 g/L

Daphnia EC₅₀ =>5.6 g/L.

Environmental Fate: This product's environmental fate has not been determined.

Section 13. Disposal Considerations

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be managed by the local, state or Federal Regulations.

Container Handling and Disposal: All containers should be disposed of according to local, state and Federal regulations.

Section 14. Transport Information

Ground Classification: Not regulated by US DOT.

Shipping Name: TDQ Extend™.

IATA or IMO: Not regulated.

Section 15. Regulatory Information

EPCRA 311/312 Categories:

Immediate (Acute) Health Effects:	No
Delayed (Chronic) Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure	No
Reactivity:	No

Right to know classification: Found in MA, NJ and PA.

TSCA: Not listed on the TSCA active list.

Sodium citrate dihydrate is listed in chemical inventories of Australia, Canada, China, European Union, Israel, Korea, Philippines, USA and United Kingdom

Abbreviations:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC ₅₀	Effective Dose	LC ₅₀	Lethal Concentration
LD ₅₀	Lethal Dose	CAS	Chemical Abstract Service Number



Safety Data Sheet

TDQ Extend™

- LEL Lower explosive limit
- NDA No Data Available
- NE None established
- ≤ Less Than or Equal To
- CNS Central Nervous System
- VOC Volatile organic content
- ACGIH American Conference of Government Industrial Hygienists
- SARA Superfund Amendments and Reauthorization Act
- AICS Australian Inventory of Chemical Substances
- IARC International Agency for Research on Cancer
- UEP Upper explosive limit
- ND Not determined
- NA Not Applicable
- ≥ Greater Than or Equal To
- USA United States

Section 16. Other Information

Hazardous Material Information (HMIS)

National Fire Protection Association (NFPA)

Health	0	0	Health
Fire	0	0	Fire
Reactivity	0	0	Instability
Personal Protection	E		NA

Health 4 Deadly 3 Extreme Danger 2 Dangerous 1 Slight hazard 0 No hazard
 Fire 4 < 73 °C 3 < 100 °C 2 < 200 °C 1 >200 °C 0 Will not burn
 Reactivity/Instability 4 – May detonate 3 Explosive 2 Unstable 1 Normally stable 0 Stable

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