

### Section 1. Identification

**Product Name:** TDQ EXTEND™

Effective Date: 31 March 2020

**Replaces:** New

**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

**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 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.

**Flammability Limits:** NE.

**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.

<b>Ingredient</b>	<b>OSHA PEL</b>
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.

**Other:** None.

#### Section 9. Physical and Chemical Properties

<b>Odor/Color</b>	White granules/Slight odor	<b>Solubility</b>	70% in water
<b>Specific gravity (water=1)</b>	1.73	<b>Autoignition temperature</b>	653°F (345°C)
<b>Melting point</b>	572°F (300°C)	<b>Decomposition temperature</b>	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 LD<sub>50</sub> (Mouse) = 5,400 mg/KG      Dermal LD<sub>50</sub> (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 EC<sub>50</sub> =>1,800 m/L**

**Daphnia EC<sub>50</sub> =>5,600 mg/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

<b>EPCRA 311/312 Categories:</b> Immediate (Acute) Health Effects:	No
Delayed (Chronic) Health Effects:	No
Fire Hazard:	No
Sudden Release of Pressure	No
Reactivity:	No

**WHMIS:** Listed on DSL active list.

**Right to know classification:** None.

**TSCA:** None of the ingredients are listed.

**Reportable Quantity (RQ):** None.

**Prop. 65:** None.

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 <sub>50</sub>	Effective Dose	LC <sub>50</sub>	Lethal Concentration
LD <sub>50</sub>	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To



Safety Data Sheet

TDQ EXTEND™

CNS Central Nervous System USA United States  
 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

**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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