# Safety Data Sheet 1842



#### **1** Material and Supplier Indentification

Product Name:	401 Bio-Based Concentrated Restroom		
Description:	DFE Concentrated General Purpose Restroom Cleaner		
Recommended use of the chemical and restrictions:	Use only for the purpose on product label. This product is not intended to be used without prior dilution if specified on product label.		
Supplier's Information:	Maintex 13300 E. Nelson Ave City of Industry, CA 91746 800-446-1888 (Customer Service)		
Emergency Telephone:	(800) 255-3924 USA (813)248-0585 International (Chemtel 24 hrs)		
2 Hazards Identification			
Classification of Mixture:	Eye Irritation: Category 2B Skin Irritation: Category 3	Pictogram No Pictogram	
Signal Word: Hazard Statements:	WARNING Causes mild skin irritation. Causes eye irritation		
Dracoutionary Statementa			
Precautionary Statements General:	KEEP OUT OF REACH OF CHILDREN. Read label before u	160	
Prevention:	Wash hands thoroughly after handling.		
Response:	Response: IF ON SKIN: Take off contaminated clothing and wash before reuse. Rinse skin with water. If skin irritation persists: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes.Remove contact lenses, i present and easy to do. Continue rinsing. If eye irritation persists: Get medical attentio IF INHALED: Remove person to fresh air and keep comfortable for breathing. If proble persists, call a Poison Center or get medical attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.		
3 Composition/Information			

#### **Hazardous Ingredients**

Citric Acid Lauramine Oxide CAS Number 77-92-9 1643-20-5 Concentration Range % 20-30 1-5

4 First Aid Measures	6
Eye Contact:	Flush eyes with water for 15 minutes. Remove contact lenses if any.
Skin Contact:	Contact with concentrate may be an irritant to sensitive skin. If spilt in large areas of skin, rinse immediately with water and remove clothing. Wash skin thoroughly with soap and water.
Inhalation	If discomfort is experienced after prolonged exposure to vapours, move person to fresh air. Get medical attention if irritation persists.
Ingestion:	Get medical attention immediately. Rinse mouth with water. Do NOT induce vomiting. Drink glass of water to dilute product.

5 Firefighting Measures	
Suitable Extinguishing Media:	Water spray, normal foam, dry agent (carbon dioxide, dry chemical powder.)
Specific Hazards arising from the Chemical:	In a fire or if heated, a pressure increase will occur and the container may burst. Combustion products may include and are not limited to nitrogen oxides, carbon monoxide, and carbon dioxide.
Specific Protective Equipment and Precautions for Firefighters:	Firefighters should wear NIOSH approved self-contained breathing apparatus and protective clothing. If safe to do so, remove containers from path of fire. If involved in a fire, keep containers cool with water spray.

6 Accidental Release Measures			
Emergency Procedures:	Keep area clear of personnel until area has been properly cleaned.		
Personal Precautions/ Protective Equipment:	Slippery when spilt. To avoid accidents, clean up immediately and shut off source of leak, if safe to do so. Wear appropriate protective equipment to prevent any contamination of skin, eyes, and personal clothing. Provide sufficient ventilation.		
Environmental Precautions:	If contamination of sewers or waterways has occurred, advise local emergency services.		
Methods for Containment and Cleaning Up:	Contain spill with absorbent (soil, sand, or other inert material) or spill kit to prevent contamination of sewers or waterways. Neutralization agent is not recommended within building, as toxic vapors may be omitted. Properly dispose of used absorbents in accordance with local, state, and federal regulations.		

7 Handling and Storage	
Precautions for Safe Handling:	Avoid skin and eye contact, inhalation and ingestion. Wash hands thoroughly after use. Keep out of reach of children.
Conditions for Safe Storage, Including an Incompatiibiities:	Store in cool, dry place and out of direct sunlight. Store away from source of heat or ignition. Do not mix with other chemicals. Keep container closed when not in use, and check regularly for leaks.

See Section 10 for incompatible materials.

8 Exposure Controls/Personal Protection			
Control Parameters:			
Hazardous Ingredients	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citric Acid	N/A	N/A	N/A
Lauramine Oxide	N/A	N/A	N/A

Appropriate engineering controls:	Good ventilation should be sufficient to control worker exposure to airborne contaminants.	
Personal Protection		
Eye Protection:	Use protective glasses or safety goggles if splashing or spray-back is likely.	
Hand Protection:	Use protective gloves when used for prolong periods or if skin sensitive.	
Skin Protection:	Use apron if splashing or spray-back is likely.	
Respiratory Protection:	Use in well ventilated areas or local exhaust ventilation when cleaning small spaces.	
Hygiene Measures:	Always wash hands after handling chemical products, and before smoking, eating, drinking, or using the toilet. Wash contaminated clothing or protective equipment before storage and re-use.	

#### **9 Physical and Chemical Properties**

Physical State: Color: Odor: pH:	Liquid Green Neutral 1.5-2.5	Specific Gravity: Evapporation Rate: Solubility in Water: VOC (g/L):	1.02 < 1 Complete N/A	Vapour Pressure (mm Hg): Vapour Density: Freezing Point (°F): Boiling Point (°F): Flash Point (°F):	< 17 mm Hg > 1 < 32 > 212 > 200
		< means less than	> m	eans greater than	

**Note:** These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

### 10 Stability and Reactivity

Reactivity:	No specific data
Chemical Stability:	Stable
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid:	Avoid exposure to heat and light.
Incompatible Materials:	Slightly reactive or incompatible with oxidizers (e.g., bleach), strong acids (e.g., hydrochloric acid) and reactive metals (e.g., aluminum).
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxological Information

Symptoms:				
eymptome.	Eye Contact:	Adverse symptoms may inc	lude the following: irritation, v	watering, redness
	Skin Contact: Adverse symptoms may include the following: irritation, redness			
Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing Ingestion: Adverse symptoms may include the following: stomach pains				
A outo Tovisitu	Ingestion:	Adverse symptoms may inc	lude the following: stomach p	Dains
Acute Toxicity:	Eye Contact:	Causes serious eye damage	<u>م</u>	
	Skin Contact:	May cause skin irritation.	σ.	
	Inhalation:	May cause respiratory irritat	tion.	
	Ingestion:	May cause burns to mouth,	throat and stomach.	
Toxicity Data:				
Hazardous Ingr	redients	<u>Result</u>	<b>Species</b>	Dose
Citric Acid	-	LD50 Oral	Rat Babbit	5400 mg/kg
Lauramine Oxid	e	LD50 - Derm LD 50- Oral	al Rabbit Rat	>2000 mg/kg >1065 mg/kg
				>1005 mg/kg
Chronic Effects:		No known significant effect	is or critical hazards	
12 Ecologica	al Information			
Ecotoxicity:		No data available.		
Aquatic Toxicit	•			
Hazardous Ing	redients	Result	Species	Dose
Citric Acid		LC50 EC50	Fish Daphnia	440 mg/l 1534 mg/l
Lauramine Oxid	e	EC 50	Algae	0.19 mg/l 72 hrs
		EC 50	Daphnia	3.1 mg/l 48 hrs
		LC 50	Fish	2.67 mg/l 96 hrs
Other Adverse E	Effects:	No known significant effect	ts or critical hazards.	
13 Disposal	Considerations	3		
Disposal Method	ds:		hed to sanitary sewer. Disca lance with federal, state, and	
14 Transport	ation Information	ion		
The classificatio	n provided may no ort	e sizes may have exceptions fr t reflect those exceptions and	rom the transport regulations may not apply to all shipping	modes or package sizes.
DOT Classificati	on:			
UN Number:				
Transport Hazar	rd Class:			
Packaging Grou	p:			
Hazardous Divis	sion:			
Hazardous Cont	tents:			
15 Regulator	y Information			
SARA Title III:		No		
California Propo	sition 65:	No		
Other Regulation	ns:			
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HMIS/NFPA Hazard Rating:

Flammability: 0

Health: 1

Reactivity: 0

The information contained herein is based on the data available to us. It is believed to be correct. NO warranty, expressed or implied, is made regarding the accuracy of this data or the results to be obtained from the use therof. For further information consult Maintex.

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