

SAFETY DATA SHEET

DYNAMIC DUO SYSTEMS CLEANER PART ONE

DATE: 10/15/2021

1. CHEMICAL NAME AND COMPANY IDENTIFICATION

Formulated/Manufactured By: Tower Products, Inc.
2703 Freemansburg Avenue
Easton, PA 18045

Information Telephone Number: 1-800-527-8626 or 610-253-6206

For Chemical Spill Emergency Call: CHEMTREC: USA/Canada 1-800-424-9300
Mexico 800-681-9531

Product Name: DYNAMIC DUO SYSTEMS CLEANER PART ONE
(Ready To Use Fountain Solution Systems Cleaner-Decontaminant)

CAS Number: Mixture - Not Established

2. HAZARD(S) IDENTIFICATION

GHS Classification

Eye Irritation (Category 1)
Skin Irritation (Category 2)

GHS label elements, including hazard and precautionary statements



Pictogram(s)

Signal Word DANGER !

Hazard statement(s)

H318: CAUSES SERIOUS EYE DAMAGE.
H315: CAUSES SKIN IRRITATION.

Precautionary statement(s)

Prevention:

P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

Disposal:

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification

Health Hazard: 1 Flammability: 0 Physical Hazard: 0 Personal Protection: B

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3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component(s)</u>	<u>CAS Number</u>	<u>*Concentration (weight)</u>
Sodium Metasilicate	6834-92-0	1-10 %
Sodium Xylene Sulfonate	1300-72-7	1-10 %

*In accordance with paragraph (i) of §1910.1200, exact chemical percentages (concentration) of composition have been withheld as a trade secret.

4. FIRST AID MEASURES

Exposure Routes: Inhalation, Ingestion, Skin

Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

Inhalation: Remove to fresh air. Get immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting.

Skin Contact: Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog, dry chemical or carbon dioxide.

Specific Hazards: None

Special protective equipment for fire-fighters: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and protective equipment:

Respiratory Protection: Use supplied air equipment or respirators with proper NIOSH approved cartridges.

Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).

Eye Protection: Chemical splash goggles recommended against potential eye contact.

Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Methods for Clean-Up:

Minor Spills: Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.

Major Spills: Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin & eyes. Empty containers can be hazardous. Do not reuse containers. Plastic or stainless steel handling and transfer equipment is recommended.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use. FREEZABLE

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines:**

COMPONENT	CAS No.	OSHA PEL/TWA	ACGIH TLV/TWA	ACGIH STEL	OTHER RATING
Sodium Metasilicate	6834-92-0	N/E	N/E		
Sodium Xylene Sulfonate	1300-72-7	N/E	N/E		

Exposure controls: Avoid open electrical sources near product vapor areas.

Personal Protection Equipment:

Eyes: Chemical splash goggles recommended.

Skin and body: Impervious or chemical resistant gloves (consult safety equipment supplier).

Respiratory: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque Liquid.

Odor: Detergent Odor.

Odor Threshold: N/A

pH: 12

Melting point: N/A

Boiling Point: 212° F

Flash point: None.

Evaporation Rate: N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Vapor Pressure: (mmHg) < 0.1

Vapor Density: (Air = 1) N/A

Solubility in water: Complete.

Specific Gravity: (Water = 1) 1.10

Maximum VOC Content: 0 lbs/gallon

Maximum VOC %: 0%

Relative Density: N/A

Partition Coefficient: n-Octano/Water: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatible Materials: Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

Hazardous Decomposition Products: Carbon dioxides, sodium oxides, sulfur dioxide and silicon oxides.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

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DYNAMIC DUO SYSTEMS CLEANER PART ONE

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11. TOXICOLOGICAL INFORMATION

(ATE) FOR MIXTURE:

Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

Oral LD50:

LD50 Oral - \geq 9,345 mg/kg

Dermal LD50:

LD50 Dermal - \geq 5,555 mg/kg

Inhalation LC50:

LC50 Inhalation - No data available

Other information on Acute Toxicity:

No data available

Routes of exposure: Inhalation, Ingestion, Skin

Acute: Overexposure may lead to skin or eye irritation.

Chronic: Overexposure in high concentrations may lead to dermatitis and eye irritation.

Signs and Symptoms of Exposure: Overexposure may lead to dermatitis and eye irritation.

Medical Conditions Aggravated by Exposure: Preexisting eye or skin disorders may be aggravated by exposure.

Carcinogenicity (NTP, IARC, OSHA): Components of this product have not shown any evidence of carcinogenicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in the soil: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods:

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

14. TRANSPORTATION INFORMATION

<u>U.S. D.O.T. DESIGNATION</u>	<u>ID NUMBER</u>	<u>HAZARD CLASS</u>	<u>PACKING GROUP</u>
Cleaning Liquid. Not Regulated			

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15. REGULATORY INFORMATION

Regulatory Information: This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: None.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate

Notification status:

U.S.: Toxic Substances Control Act (TSCA) Y

Canada: Domestic Substances List (DSL): Y

16. OTHER INFORMATION

For More Information, Consult Tower Products, Inc.

This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.

Date of Preparation: September 14, 2015

Date of Revision: October 15, 2021

SAFETY DATA SHEET

DYNAMIC DUO SYSTEMS CLEANER PART TWO

DATE: 10/15/2021

1. CHEMICAL NAME AND COMPANY IDENTIFICATION

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2703 Freemansburg Avenue
Easton, PA 18045

Information Telephone Number: 1-800-527-8626 or 610-253-6206

For Chemical Spill Emergency Call: CHEMTREC: USA/Canada 1-800-424-9300
Mexico 800-681-9531

Product Name: DYNAMIC DUO SYSTEMS CLEANER PART TWO
(Ready To Use Fountain Solution Systems Cleaner-Neutralizer)

CAS Number: Mixture - Not Established

2. HAZARD(S) IDENTIFICATION

GHS Classification

Eye Irritation (Category 1)
Skin Irritation (Category 2)

GHS label elements, including hazard and precautionary statements



Pictogram(s)

Signal Word DANGER !

Hazard statement(s)

H318: CAUSES SERIOUS EYE DAMAGE.

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Precautionary statement(s)

Prevention:

P280: WEAR PROTECTIVE GLOVES/EYE PROTECTION/FACE PROTECTION.

P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P302+P352: IF ON SKIN: WASH WITH PLENTY OF WATER.

P305+P351+P338+P310: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR DOCTOR.

P403+P233: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.

Disposal:

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification

Health Hazard: 1

Flammability: 0

Physical Hazard: 0

Personal Protection: B

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3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component(s)</u>	<u>CAS Number</u>	<u>*Concentration (weight)</u>
Malic Acid	6915-15-7	1-10%
Sodium Xylene Sulfonate	1300-72-7	1-10 %

*In accordance with paragraph (i) of §1910.1200, exact chemical percentages (concentration) of composition have been withheld as a trade secret.

4. FIRST AID MEASURES

Exposure Routes: Inhalation, Ingestion, Skin

Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

Inhalation: Remove to fresh air. Get immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting.

Skin Contact: Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog, dry chemical or carbon dioxide.

Specific Hazards: None

Special protective equipment for fire-fighters: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and protective equipment:

Respiratory Protection: Use supplied air equipment or respirators with proper NIOSH approved cartridges.

Protective Gloves: Impervious or chemical resistant gloves (consult safety equipment supplier).

Eye Protection: Chemical splash goggles recommended against potential eye contact.

Other Protective Clothing and Equipment: Safety shoes and aprons recommended.

Methods for Clean-Up:

Minor Spills: Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.

Major Spills: Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.

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Handling: Avoid contact with skin & eyes. Empty containers can be hazardous. Do not reuse containers. Plastic or stainless steel handling and transfer equipment is recommended.

Storage: Store in a cool, dry, ventilated area, away from incompatible substances. Keep containers closed when not in use. FREEZABLE

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Exposure Guidelines:

<u>COMPONENT</u>	<u>CAS No.</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH TLV/TWA</u>	<u>ACGIH STEL</u>	<u>OTHER RATING</u>
Malic Acid	6915-15-7	N/E	N/E		
Sodium Xylene Sulfonate	1300-72-7	N/E	N/E		

Exposure controls: Avoid open electrical sources near product vapor areas.

Personal Protection Equipment:

Eyes: Chemical splash goggles recommended.

Skin and body: Impervious or chemical resistant gloves (consult safety equipment supplier).

Respiratory: Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink Liquid.

Odor: Detergent Odor.

Odor Threshold: N/A

pH: 2.2

Melting point: N/A

Boiling Point: 212°F

Flash point: None

Evaporation Rate: N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

Vapor Pressure: (mmHg) < 0.1

Vapor Density: (Air = 1) N/A

Solubility in water: Complete

Specific Gravity: (Water = 1) 1.03

Maximum VOC Content: 0 lbs/gallon

Maximum VOC %: 0%

Relative Density: N/A

Partition Coefficient: n-Octano/Water: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatible Materials: Avoid contact with acids, flammable liquids, organic halogens, aluminum and soft alloys.

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Oral LD50:

LD50 Oral - \geq 10,000 mg/kg

Dermal LD50:

LD50 Dermal - \geq 37,037 mg/kg

Inhalation LC50:

LC50 Inhalation - No data available

Other information on Acute Toxicity:

No data available

Routes of exposure: Inhalation, Ingestion, Skin

Acute: Overexposure may lead to skin or eye irritation.

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