

1. Identification Of The Substance / Mixture And Of The Company / Undertaking

1.1. Product Identifier

Product Identity **NETWORK PRO ONE KDS 500**
 Sheetfed Fountain Solution
 Alternate Names Product Number: 806058, 804056, 804057, 804058, 805723, 23850

1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Intended Use See Technical Data Sheet
 Application Method See Technical Data Sheet

1.3. Details Of The Supplier Of The Safety Data Sheet

Company Name **Böttcher America** 4600 Mercedes Drive Belcamp, Maryland 21017
 CHEMTREC (USA) 800-424-9300
 Customer Service 800-521-4042

2. Hazard Identification Of The Product

2.1. Classification Of The Substance Or Mixture

Eye Dam. 1; H318 Causes serious eye damage
 Skin Irrit. 3; H316 Causes mild skin irritation

2.2. Label Elements

Using the Toxicity Data listed in Sections 11 and 12, the product is listed as follows:

Signal Word: **DANGER!**



H316 Causes mild skin irritation
 H318 Causes serious eye damage

[Prevention]

No GHS prevention statements.

[Response]

P332 + P313 If skin irritation occurs: Get immediate medical attention.

[Storage]

No GHS storage statements.

[Disposal]

No GHS disposal statements.

3. Composition / Information On Ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient / Chemical Designations	Weight%	GHS Classification	Notes
Sodium Acid Phosphate (CAS No: 7558-80-7)	5 - 10	Not Classified	[1]
Magnesium (II) Nitrate (1:2), Hexahydrate (CAS No: 13446-18-9)	5 - 10	Not Classified	[1]
Propanoic Acid, 2-Hydroxy-, Ethyl Ester (CAS No: 97-64-3)	1 - 5	Flam. Liq. 3; H226 STOT SE 3; H335 Eye Dam. 1; H318	[1]
Propylene Glycol (CAS No: 57-55-6)	1 - 5	Not Classified	[1]
Ethylene Glycol Monobutyl Ether (CAS No: 111-76-2)	1 - 5	Acute Tox. 4; H332, H312, H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	[1] [2]

[1] Substance classified with a health or environmental hazard [2] Substance with a workplace exposure limit [3] PBT-Substance or vPvB-Substance

* The full texts of the phrases are shown in Section 16

4. First Aid Measures

4.1. Description Of First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. If breathing is difficult, give oxygen. Get medical attention immediately.

Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart. Seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Wash skin with plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation or allergic reaction develops.

Ingestion: If accidentally swallowed, drink a glass of water or milk. DO NOT INDUCE VOMITING. Get immediate medical attention.

4.2. Most Important Symptoms And Effects, Both Acute And Delayed (Overview)

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation experienced as stinging and redness.

Inhalation: Low hazard for recommended handling. May cause irritation to respiratory tract.

Ingestion: May cause irritation to the gastrointestinal tract.

Skin Contact: Prolonged exposure may cause skin irritation.

Signs and Symptoms of Exposure: Eye and skin irritation with abdominal pain, vomiting and diarrhea upon ingestion.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product.

Eyes: Causes serious eye damage.

5. Fire-Fighting Measures

5.1. Extinguishing Media

As appropriate for surrounding fire.

5.2. Special Hazards Arising From The Substance Or Mixture

Hazardous decomposition: Carbon dioxide and carbon monoxide.

5.3. Advice For Firefighters

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment, And Emergency Procedures

Put on appropriate personal protective equipment (See Section 8).

6.2. Environmental Precautions

Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods And Material For Containment And Cleaning Up

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pretreatment.

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7. Handling And Storage

7.1. Precautions For Safe Handling

See section 2 for further details [Prevention].

7.2. Conditions For Safe Storage, Including Any Incompatibilities

Handle containers carefully to prevent damage and spillage. Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Incompatible materials: Caustics. Acids. Oxidizers. See section 2 for further details. - [Storage]

7.3. Specific End Use(s)

No data available.

8. Exposure Controls And Personal Protection

8.1. Control Parameters

CAS No.	Ingredient	EXPOSURE	
		Source	Value
57-55-6	Propylene Glycol	OSHA	No Established Limit
		ACGIH	TWA: (Aerosol): 10 mg/m ³
		NIOSH	No Established Limit
		Supplier	TWA: 10 mg/m ³ (listed as AIHA WEEL)
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA	TWA: 50 ppm (240 mg/m ³) [skin]
		ACGIH	TWA: 20 ppm - Revised 2003
		NIOSH	TWA: 5 ppm (24 mg/m ³) [skin]
		Supplier	No Established Limit
7558-80-7	Sodium Acid Phosphate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
13446-18-9	Magnesium (II) Nitrate (1:2), Hexahydrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
97-64-3	Propanoic Acid, 2-Hydroxy-, Ethyl Ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
CARCINOGEN DATA			
CAS No.	Ingredient	Source	Value
57-55-6	Propylene Glycol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
7558-80-7	Sodium Acid Phosphate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
13446-18-9	Magnesium (II) Nitrate (1:2), Hexahydrate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
97-64-3	Propanoic Acid, 2-Hydroxy-, Ethyl Ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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8. Exposure Controls And Personal Protection, cont.'

8.2. Description Of First Aid Measures

Respiratory	When this product is used in the intended way, no respiratory protection is anticipated to be necessary. A respirator should be worn if hazardous decomposition products are likely to be or have been released. Respirator type: Acid gas.
Eyes	Safety glasses with side shields (or goggles).
Skin	Wear overalls to keep skin contact to a minimum. Latex, rubber, or neoprene waterproof gloves are recommended.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Ensure showers and eyewash stations are available. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See Section 2 for further details [Prevention]

9. Physical And Chemical Properties

Appearance	Clear, emerald green liquid	Melting Point / Freezing Point	Not Defined
Odor	Mild	Initial Boiling Point / Boiling Range	212°F
Odor Threshold	Not Defined	Evaporation Rate (Ether = 1)	Not Defined
Flashpoint	Non-flammable	Upper / Lower Flammability or Explosive Limits	Lower: Not Defined Upper: Not Defined
pH	3.50	Partition Coefficient n-octanol/water (Log Kow)	Not Defined
Flammability (Solid, Gas)	Not Defined	Solubility In Water	Complete
Vapor Pressure (PA)	Not Defined	Auto-Ignition Temperature	Not Defined
Vapor Density	Not Defined	Decomposition Temperature	Not Defined
Specific Gravity	1.10	Viscosity (cSt)	Not Defined
Density	9.20 lbs per gallon	Photochemically Reactive	No
% Volatile	79.56	Maximum Grams of V.O.C. per Liter	66
V.O.C.	66 gm/L, 6%, 0.55 lb/gal		

9.2. Other Information

No other relevant information.

10. Stability And Reactivity

- 10.1. Reactivity:** Hazardous Polymerization will not occur.
- 10.2. Chemical Stability:** Stable under normal circumstances.
- 10.3. Possibility Of Hazardous Reactions:** No data available.
- 10.4. Conditions To Avoid:** Do not mix with alkalis.
- 10.5. Incompatible Materials:** Caustics. Acids. Oxidizers.
- 10.6. Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide.

11. Toxicological Information

Acute Toxicity

Ingredient	Oral LD50 (mg/kg)	Skin LD50 (mg/kg)	Inhalation Vapor LD50 (mg/L/4hr)	Inhalation Dust/Mist LD50 (mg/L/4hr)	Inhalation Gas LD50 (ppm)
Sodium Acid Phosphate 7558-80-7	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Magnesium (II) Nitrate (1:2), Hexahydrate 13446-18-9	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Propylene Glycol 57-55-6	20,000.00 Rat Category: NA	20,800.00 Rabbit Category: NA	105.00 Rat Category: NA	No Data Available	No Data Available
Ethylene Glycol Monobutyl Ether 111-76-2	1,414.00 Guinea Pig Category: 4	1,200.00 Guinea Pig Category: 4	173.00 Guinea Pig Category: NA	No Data Available	No Data Available
Propanoic Acid, 2-Hydroxy-, Ethyl Ester 97-64-3	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

11. Toxicological Information cont.'

Classification	Category	Hazard Description
Acute Toxicity (oral)	---	Not Applicable
Acute Toxicity (dermal)	---	Not Applicable
Acute Toxicity (inhalation)	---	Not Applicable
Skin Corrosion / Irritation	3	Causes mild skin irritation (Not adopted by US OSHA)
Serious Eye Damage / Irritation	---	Not Applicable
Respiratory Sensitization	---	Not Applicable
Skin Sensitization	---	Not Applicable
Germ Cell Mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive Toxicity	---	Not Applicable
STOT - Single Exposure	---	Not Applicable
STOT - Repeated Exposure	---	Not Applicable
Aspiration Hazard	---	Not Applicable

12. Ecological Information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

AQUATIC ECOTOXICITY

Ingredient	96 Hr LC50 Fish (mg/L)	48 Hr EC50 Crustacea (mg/L)	ERC50 Algae (mg/L)
Sodium Acid Phosphate 7558-80-7	Not Available	Not Available	Not Available
Magnesium (II) Nitrate (1:2), Hexahydrate 13446-18-9	Not Available	Not Available	Not Available
Propylene Glycol 57-55-6	40,613.00, Oncorhynchus Mykiss	18,340.00, Ceriodaphnia Dubia	19,000.00 (96 Hr), Pseudo-kirchneriella Subcapitata
Ethylene Glycol Monobutyl Ether 111-76-2	220.00, Fish (Piscis)	1,000.00, Daphnia Magna	Not Available
Propanoic Acid, 2-Hydroxy-, Ethyl Ester 97-64-3	Not Available	Not Available	Not Available

12.2. Persistence And Degradability: There is no data available on the preparation itself.

12.3. Bioaccumulative Potential: Not Measured

12.4. Mobility In Soil: No data available.

12.5. Results Of PBT And vPvB Assessment: This product contains no PBT/vPvB chemicals.

12.6. Other Adverse Effects: No data available.

13. Disposal Considerations

13.1 Waste Treatment Methods

Observe all federal, state, and local regulations when disposing of this substance.

14. Transport Information

NON-BULK & BULK DOMESTIC GROUND

In summary, for **non-bulk & bulk domestic ground shipments:**

DOT Class:	Not Regulated
Hazard Class:	Not Applicable
UN No.:	Not Applicable

The domestic provisions provided for in non-bulk and bulk ground shipments are not valid for transportation by aircraft or vessel and they are not valid for international shipments. Please follow the appropriate DOT regulations in 49 CFR and the information referenced where appropriate in the IATA Dangerous Goods Transportation Regulation, the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO and our NFTA partner hazardous material regulation requirements).

OCEAN TRANSPORTATION

In summary, for **ocean shipments:**

Proper Shipping Name:	Not Regulated
UN No.:	Not Regulated
Packing Group:	Not Regulated
IMDG:	Not Applicable
Environmental Hazards:	IMDG: Marine Pollutant: No

14.6. Special Precautions For User: No further information

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15. Regulatory Information

REGULATORY OVERVIEW: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

TSCA: All listed components either appear or are exempt from the Toxic Substances Control Act (TSCA) Inventory.

CERCLA: Reportable Quantity (RQ) (40 CFR 117.302): None.

CARCINOGENICITY: None of the components in this chemical are present above minimum amounts listed by IARC, NTP, or OSHA as a carcinogen.

WHMIS CLASSIFICATION: Not Regulated

US EPA TIER II HAZARDS: Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCE REPORTING: None listed.

EPCRA SECTION 311/312 - HAZARDOUS CHEMICAL REPORTING & RQ'S: None listed.

EPCRA SECTION 313 - TOXIC CHEMICAL REPORTING: Nitric Acid Sodium Salt, Ethylene Glycol Monobutyl Ether, Magnesium (II) Nitrate (1:2), Hexahydrate.

CALIFORNIA PROP 65: None listed.

U.S. STATE RIGHT TO KNOW LISTS

New Jersey (>1%): Propanoic Acid, 2-Hydroxy-, Ethyl Ester, Ethylene Glycol Monobutyl Ether, Propylene Glycol

Pennsylvania (>1%): Nitric Acid Sodium Salt, Propanoic Acid, 2-Hydroxy-, Ethyl Ester, Ethylene Glycol Monobutyl Ether, Propylene Glycol

16. Other Information

HMIS		SCAQMD Rule 443.1	
Health:	2	Photochemically Reactive:	No
Flammability:	0	Maximum Grams of VOC per Liter:	66 gm/L
Reactivity:	0	Vapor Pressure:	N.E. mm Hg @ 20°C
Personal:	B		

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The full text of the phrases appearing in Section 3 is:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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