

1. Identification Of The Substance / Mixture And Of The Company / Undertaking**1.1. Product Identifier**

Product Identity **NETWORK CLEAN & PROTECT**
Acid Plate Cleaner
Alternate Names Product Number: 805963, 805675, 23808

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

Distributor **#1 NETWORK, INC.** 307 Professional Park Ave. Effingham, IL 62401
CHEMTREC (USA) 800-424-9300
Customer Service 217-536-5737

2. Hazard Identification Of The Product**2.1. Classification Of The Substance Or Mixture**

Skin Irrit. 2; H315 Causes skin irritation
Eye Irrit. 2; H319 Causes serious eye irritation

2.2. Label Elements

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

Signal Word: **WARNING!**



H315 Causes skin irritation
H319 Causes serious eye irritation

[Prevention]

P264 Wash thoroughly after handling
P280 Wear protective gloves, eye protection, and face protection

[Response]

P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present, continue rinsing.
P321 Specific treatment (see information on this label)
P332 + P313 If skin irritation occurs: Get medical advice / attention
P337 + P313 If eye irritation persists: Get medical advice / attention
P362 Take off contaminated clothing and wash before reuse

[Storage]

No GHS storage statements

[Disposal]

No GHS disposal statements

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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
Acetic Acid (CAS No: 64-19-7)	1 - 3	Flam. Liq. 3; Skin Corr. 1A; Eye Irrit. 2;	H226 H314 H319 [1][2]
Ethylene Glycol (CAS No: 107-21-1)	1 - 3	Acute Tox. 4;	H302 [1][2]
Ethylene Glycol Monobutyl Ether (CAS No: 111-76-2)	1 - 3	Acute Tox. 4; H332, Eye Irrit. 2; Skin Irrit. 2;	H312, H302 H319 H315 [1][2]
1-Propoxy-2-Propanol (CAS No: 1569-01-3)	1 - 3	Flam. Liq. 3; Eye Dam. 2A:	H226 H319 [1]
Phosphoric Acid (CAS No: 7664-38-2)	1 - 3	Skin Corr. 1B:	H314 (> 25%) [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

¹ Sara Title III Disclosure - Section 15

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.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	Induce vomiting. Get medical attention immediately.

4.2. Most Important Symptoms And Effects, Both Acute And Delayed

Overview	Eye Contact: May cause irritation, redness, tearing, or blurred vision. 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 tearing and irritation. Prolonged skin contact may result in dermatitis. By ingestion, effects may include gastritis. Aggravated Medical Conditions: Skin contact may aggravate an existing dermatitis. See Section 2 for further details.
Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Any applicable to the primary cause of the fire.

5.2. Special Hazards Arising From The Substance Or Mixture

Hazardous decomposition: Oxides of carbon.

5.3. Advice For Firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin. Fire or excessive heat may produce hazardous decomposition products.

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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 watercourses. 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 absorbent, non-combustible material and place in labeled containers for disposal. Remove spills promptly as they may make the floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.

7. Handling And Storage

7.1. Precautions For Safe Handling

All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. See Section 2 for further details [Prevention].

7.2. Conditions For Safe Storage, Including Any Incompatibilities

Handle containers carefully to prevent damage and spillage. Incompatible materials: None. 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. 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
64-19-7	Acetic Acid	OSHA	TWA: 10 ppm (25 mg/m ³)
		ACGIH	TWA: 10 ppm STEL: 15 ppm
		NIOSH	TWA: 10 ppm (25 mg/m ³) STEL: 15 ppm (37 mg/m ³)
		Supplier	No Established Limit
107-21-1	Ethylene Glycol	OSHA	No Established Limit
		ACGIH	TWA: 10 mg/m ³ (Particulate) Ceiling: 100 mg/m ³ (Aerosol) 50 ppm (Vapor) STEL: 20 mg/m ³ (Particulate)
		NIOSH	No Established RELs
		Supplier	No Established Limit
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
1569-01-3	1-Propoxy-2-Propanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
7664-38-2	Phosphoric Acid	OSHA	TWA: 1 mg/m ³
		ACGIH	TWA: 1 mg/m ³ STEL: 3 mg/m ³
		NIOSH	TWA: 1 mg/m ³ STEL: 3 mg/m ³
		Supplier	No Established Limit

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8. Exposure Controls And Personal Protection, Cont.'

8.1. Control Parameters, Cont.'

CAS No.	Ingredient	CARCINOGEN DATA	
		Source	Value
64-19-7	Acetic Acid	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
107-21-1	Ethylene Glycol	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
111-76-2	Ethylene Glycol Monobutyl Ether	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
1569-01-3	1-Propoxy-2-Propanol	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
7664-38-2	Phosphoric Acid	OSHA NTP IARC	Select Carcinogen: No Known: No; Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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. Avoid inhalation of the product vapors.
Eyes	Protective safety glasses with side shields recommended.
Skin	Protective clothing suitable for the exposure risk should be worn. Rubber gloves recommended.
Engineering Controls	Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use and keep hazardous ingredients below their exposure limits.
Other Work Practices	Provide readily accessible eye wash stations and safety showers. 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

9.1.

Appearance	Clear, green liquid	Melting Point / Freezing Point	Not Measured / 23°F
Odor	Slight butyl	Initial Boiling Point / Boiling Range	Not Measured
Odor Threshold	Not Measured	Evaporation Rate	Not Measured
Flashpoint	Not Measured	Upper / Lower Flammability or	Lower: Not Measured
pH	2.54	Explosive Limits	Upper: Not Measured
Flammability (Solid, Gas)	Not Measured	Partition Coefficient n-octanol/water (Log Kow)	Not Measured
Vapor Pressure (PA)	Not Measured	Solubility In Water	Complete
Vapor Density	Not Measured	Auto-Ignition Temperature	Not Measured
Specific Gravity	1.044	Decomposition Temperature	Not Measured
Density	8.70 lbs per gallon	Viscosity (cSt)	Not Measured
% Volatile	88.92	Photochemically Reactive	No
V.O.C.	58.7 gm/L, 5.6%, 0.49 lb/gal	Maximum Grams of V.O.C. per Liter	58.7

9.2. Other Information

No other relevant information.

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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:** None.
- 10.5. Incompatible Materials:** None.
- 10.6. Hazardous Decomposition Products:** Oxides of carbon.

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)
Acetic Acid 64-19-7	3,310.00 Rat Category: 5	1,112.00 Rabbit Category: 4	11.40 Rat Category: 4	No Data Available	16,000.00 Rat Category: NA
Ethylene Glycol 107-21-1	4,700.00 Rat Category: 5	10,626.00 Rabbit Category: NA	No Data Available	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
1-Propoxy-2-Propanol 1569-01-3	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Phosphoric Acid 7664-38-2	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).

Classification	Category	Hazard Description
Acute Toxicity (oral)	---	Not Applicable
Acute Toxicity (dermal)	---	Not Applicable
Acute Toxicity (inhalation)	---	Not Applicable
Skin Corrosion / Irritation	2	Causes skin irritation
Serious Eye Damage / Irritation	2	Causes serious eye irritation
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

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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)
Acetic Acid 64-19-7	79.00, Pimephales Promelas	65.00, Daphnia Magna	73.40 (96 Hr), Navicula Seminulum
Ethylene Glycol 107-21-1	8,050.00, Pimephales Promelas	100.00, Crangon Crangon	6,500.00 (96 Hr), Selenastrum Capricomutum
Ethylene Glycol Monobutyl Ether 111-76-2	220.00, Fish (Piscis)	1,000.00, Daphnia Magna	Not Available
1-Propoxy-2-Propanol 1569-01-3	Not Available	Not Available	Not Available
Phosphoric Acid 7664-38-2	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	D2B
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No
SARA Title III	Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. This product contains: Glycol Ethers.
California PROP 65:	None
EPCRA 311/312 Chemicals and RQs (Lbs):	Acetic Acid (5,000), Ethylene Glycol (5,000), Phosphoric Acid (5,000)
EPCRA 302 Extremely Hazardous:	None Listed
EPCRA 313 Toxic Chemicals:	Ethylene Glycol, Ethylene Glycol Monobutyl Ether
Proposition 65 - Carcinogens (>0.0%):	None Listed
Proposition 65 - Developmental Toxins (>0.0%):	None Listed
Proposition 65 - Female Repro Toxins (>0.0%):	None Listed
Proposition 65 - Male Repro Toxins (>0.0%):	None Listed
N.J. RTK Substances (>1%):	Acetic Acid, Ethylene Glycol, Ethylene Glycol Monobutyl Ether, Phosphoric Acid
Penn RTK Substances (>1%):	Acetic Acid, Ethylene Glycol, Ethylene Glycol Monobutyl Ether, Phosphoric Acid

16. Other Information

HMIS

Health:	1
Flammability:	0
Reactivity:	0

SCAQMD Rule 443.1

Photochemically Reactive:	No
Maximum Grams of VOC per Liter:	58.7 gm/L
Vapor Pressure:	N.E. mm Hg @ 20°C

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

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

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness and dizziness

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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