Safety Data Sheet

Issue Date: 08-Jul-2003 **Revision Date:** 09-Apr-2026 **Version** 3

1. IDENTIFICATION

Product identifier

Product Name Micro Matic Acid Line Cleaner

Other means of identification

SDS # BDP-002

Product Code MM-A32, MM-A68, MM-A15G and MM-A55G

UN/ID No UN1805

Recommended use of the chemical and restrictions on use

Recommended use Draft line cleaner.

Details of the supplier of the safety data sheet

Supplier Address

Townsend Chemical, LLC
400 North New York Ave Suite 208
Winter Park, Florida 32789

Emergency telephone number

Company Phone Number 407-927-3960

Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Red liquid **Physical state** Liquid **Odor** Odorless

Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

Label elements

Signal word

Danger

Hazard statements

Causes severe skin burns and eye damage.

Precautionary Statements - Prevention

Do not breathe dust.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician.
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/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage
Store locked up.

Precautionary Statements - Disposal
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
water	7732-18-5	65-75
Phosphoric Acid	7664-38-2	20-40
Proprietary Surfactant	Proprietary	0.1-1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General Advice Immediately call a poison center or doctor/physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Immediately call a poison center or doctor/physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Immediately call a poison center or doctor/physician.

Ingestion Promptly drink large quantities of milk, egg white, gelatin solution, or if these are not available, drink large quantities of water. Do NOT induce vomiting. Rinse mouth. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms Causes severe skin burns and eye damage. May cause irritation, redness and pain. May cause irritation to the mucous membranes and upper respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Foam. Halon. Carbon dioxide (CO2). Dry chemical. Any "ABC" class.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Contents are corrosive and all personal contact must be avoided. Harmful (acidic) vapors will evolve if this material is involved in a fire. Toxic fumes may be given off when material is exposed to fire.

Hazardous combustion products Phosphorus oxides. Nitrogen oxides (NOx). Oxides of sulfur. Carbon oxides.

Explosion data
Sensitivity to Mechanical Impact Not sensitive.
Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move combustibles out of path of advancing pool if you can do so without risk. Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protective equipment as required. Uncontrolled releases should be responded to by appropriately trained personnel in proper personal protective equipment, using pre-planned procedures.

Environmental precautions

Methods and material for containment and cleaning up

Methods for Containment	Keep unnecessary and unprotected personnel from entering contaminated area. Absorb material with an inert material. Prevent from entering drains, sewers, or other bodies of water, absorb unrecoverable product. Transfer contaminated material to containers for disposal.
Methods for Clean-Up	Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize with sodium bisulfate or citric acid. Decontaminate the area thoroughly. Place in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Use only in well-ventilated areas. Remove contaminated clothing and shoes. Do not eat, drink, smoke, or apply cosmetics while handling this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials. Store in a corrosion-proof area. Empty containers retain product residues. Do not contaminate water, food, or feed by storage or disposal.

Incompatible Materials Strong bases. Strong oxidizing agents. Halogenated organics. Cyanides. Sulfides. Mercaptans. Nitrites. acetates. Silicon bearing materials. Carbides. Nitromethane. Sodium Tetrahydroborate. Aluminum. Metals. Fluorides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Phosphoric Acid 7664-38-2	TWA: 1 mg/m^3 STEL: 3 mg/m^3	TWA: 1 mg/m^3 (vacated) TWA: 1 mg/m^3 (vacated) STEL: 3 mg/m^3	TWA: 1 mg/m^3; STEL: 3 mg/m^3 IDLH: 1000 mg/m^3

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash goggles or safety glasses. Face shields are recommended when the operation can generate splashes, sprays, or mists.

Skin and Body Protection Wear a chemical resistant apron or protective suit if splashing or repeated contact with solution is likely. Wear neoprene or vinyl gloves for routine industrial use.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Red liquid	**Odor**	Odorless
Color	Red	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	2.1	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	Not flammable	
Evaporation rate	Similiar to or slower than water depending upon weight percent	(n-BuAc =1)
Flammability (Solid, Gas)	Not determined	
Flammability Limit in Air		
Upper flammability or explosive limits	Not applicable	
Lower flammability or explosive limits	Not applicable	
Vapor Pressure	Not determined	
Relative vapor density	No data available	
Relative Density	1.10-1.18	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not flammable	

Decomposition temperature	Not determined	
Kinematic viscosity	Not applicable	
Dynamic viscosity	Not determined	
Particle characteristics	No data available	No data available
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

Other information
Liquid Density 9.2-9.8 lb/gal @15.6°C

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid
Incompatible Materials. Extreme heat. Avoid contact with leather and wool.

Incompatible materials
Strong bases. Strong oxidizing agents. Halogenated organics. Cyanides. Sulfides. Mercaptans. Nitrites. acetates. Silicon bearing materials. Carbides. Nitromethane. Sodium Tetrahydroborate. Aluminum. Metals. Fluorides.

Hazardous decomposition products
Phosphorous oxides. Nitrogen oxides (NOx). Sulfur oxides. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Do not inhale.

Ingestion Do not taste or swallow.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2740 mg/kg (Rabbit)	= 3846 mg/m^3 (Rat) 1 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	5,100.00 mg/kg
ATEmix (dermal)	9,100.00 mg/kg
ATEmix (inhalation-vapor)	2,833.00 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Chemical name	Partition coefficient
Phosphoric Acid 7664-38-2	-0.9

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical name	California Hazardous Waste Status
Phosphoric Acid 7664-38-2	Corrosive

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1805
Proper Shipping Name	Phosphoric acid, solution
Transport hazard class(es)	8
Packing Group	III

IATA

UN number or ID number	UN1805
Proper Shipping Name	Phosphoric acid, solution
Transport hazard class(es)	8
Packing group	III

IMDG

UN number or ID number	UN1805
Proper Shipping Name	Phosphoric acid, solution
Transport hazard class(es)	8
Packing Group	III

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AIIC
water	X	ACTIVE	X	X	X	X	X	X	X
Phosphoric Acid	X	ACTIVE	X	X	X	X	X	X	X
Proprietary Surfactant	X	ACTIVE	X			X		X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing Chemicals Inventory*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Phosphoric Acid 7664-38-2	5000 lb / 270 kg (final RQ)		RQ 5000 lb final RQ RQ 2270 kg final RQ

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No

Reactive Hazard No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid	5000 lb			X

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Phosphoric Acid 7664-38-2	X	X	X

16. OTHER INFORMATION

NFPA	**Health hazards** 3	**Flammability** 0	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 3	**Flammability** 0	**Physical hazards** 0	**Personal protection** -

Issue Date: 08-Jul-2003
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Revision Note: Regulatory review and update to current OSHA standard

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet