

Issue Date: 30-Sept-2016

Revision Date:

Version

1. IDENTIFICATION

Product Identifier

Product Name pH STABILIZER

Other means of identification

SDS #

ITEM # B-0850-05
B-0850-55

Recommended use of the chemical and restrictions on use

Recommended Use pH control and maintenance

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

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

2. HAZARDS IDENTIFICATION

Appearance Clear,
Colorless / Pale yellow

Physical State Liquid

Odor Mild

Classification

Corrosive to metals	Category 1
Skin corrosion	Category 1A
Serious eye damage/eye irritation	Category 1

Signal Word

DANGER

Hazard Statements

Maybe corrosive to metals
Causes severe skin burns and eye damage



Precautionary Statements – Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/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 victim to fresh air and keep at rest in a position 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/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Phosphoric Acid	7664-38-2	< 85

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**First Aid Measures****General Advice**

If you feel unwell, seek medical advice. Show the label where possible. Show this safety data sheet to the doctor / medical personnel for treatment

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin Contact

Wash contact areas with water. Remove contaminated clothing and launder before reuse. Get medical attention immediately.

Inhalation

Remove from further exposure. Use adequate respiratory protection. Seek immediate medical assistance.

Ingestion

Rinse mouth. Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects**Symptoms**Symptom may include severe eye damage, skin burns, digestive tract burns, upper respiratory tract irritation, mucous membrane irritation
See SECTION 11 for delayed and chronic effects.**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat as a corrosive substance.

5. FIRE-FIGHTING MEASURES**Suitable /****Unsuitable Extinguishing Media**Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.
Do not use straight streams.

Combustion Products/ Specific Hazards	Thermal decomposition may produce toxic fumes of phosphorus
Protective equipment / Precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate protective equipment and clothing during cleanup See SECTION 8 for Personal Protective Equipment.
Environmental Precaution	Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water. Prevent further leakage or spillage if safe to do so. See SECTION 12 for Ecological Information.
Methods for Clean-Up	Absorb or cover with dry earth, sand or other non-combustible material Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal.

7. HANDLING AND STORAGE

Advice on Safe Handling	Do not handle until all safety precautions have been read and understood. Wear appropriate personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety practice. Do not mix with other chemicals. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements
Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Storage temperature > 40° F. Store locked up.
Incompatible Materials	Strong bases and alkali agents.

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 Table Z-1	TWA: 1 mg/m ³ STEL: 3 mg/m ³

Appropriate engineering controls Adequate ventilation. Maintain eye wash fountain and quick-drench facilities in work area

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Wear safety glasses and face shield.
Skin and Body Protection	Chemical resistant gloves. Personal protective clothing must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wear suitable gloves and protective clothing depending on condition of use
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection

General Hygiene Considerations Observe good industrial hygiene practice.
 Avoid breathing fumes, vapors, mists, spray. Avoid prolonged exposure.
 Avoid contact with skin, eyes and clothing.
 Wash face, hands, and any exposed skin thoroughly after handling and before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear	Odor Threshold	Not determined
Color	Colorless to pale yellow		
Property	Values	Remarks • Method	
pH	0.5		
Melting Point/Freezing Point	17 - 21°C / 1- 21 °F		
Boiling Point/Boiling Range	135 -158 °C / 275-316 °F		
Flash Point	Not flammable		
Evaporation Rate	Not determined	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	1.62-4.17 mmHg	@20°C / 68°F	
Vapor Density	Not determined	(Air=1)	
Specific Gravity	1.2	(1=Water)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content (%)	Not determined		

10. STABILITY AND REACTIVITY

Reactivity	Reacts violently with strong alkalis and acids. May react with oxidizing agents.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials. Warning! Do not use together with other products. May release dangerous gases (chlorine)
Incompatible Materials	Alkalis, Phosphorus compounds, cyanides, carbide, glass, steel, metals
Hazardous Decomposition Products	Oxides of phosphorus

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Skin Contact	Causes severe skin burns. Symptoms: Burning pain and severe corrosive skin damage

Inhalation No adverse effects due to inhalation are expected
Cause irritation to upper respiratory system

Ingestion May cause digestive tract burns.

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

Acute Effects In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation.

Chronic Effects Prolonged inhalation may be harmful

Information on physical, chemical and toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phosphoric Acid 7664-38-2	2,600 mg/kg (Rat) OECD Test Guideline 423	1,260 mg/kg (Rabbit)	5.337 mg/l 1 hr (Rabbit) (gas)

Carcinogenicity This product is not considered to be carcinogen by IARC, ACGIH, NTP, OR OSHA

Reproductive Toxicity This product is no expected to cause reproductive or developmental effects

STOT- repeated/single exposure No data available (for both single and repeated exposure)

Additional Information No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Persistence/Degradability No data available.

Bioaccumulation No data available

Mobility No data available

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

DOT

UN/ID No UN1805 Phosphoric Acid Solution
Proper Shipping Name CORROSIVE LIQUID, N.O.S.
Hazard Class/ Packing Group 8 , III

IATA

UN/ID No
Proper Shipping Name UN1805 Phosphoric Acid Solution
Hazard Class/ Packing Group CORROSIVE LIQUID, N.O.S.
8 , III

MIDG

UN/ID No UN1805 Phosphoric Acid solution
 Proper Shipping Name COROSSIVE LIQUID, NOS
 Hazard Class/ Packing Group 8, III
 Marine pollutant No

15. REGULATORY INFORMATION

International Inventories

The component(s) of this product comply with the inventory requirement administered by the governing countries

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Phosphoric Acid	x	x	-			-	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 and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Regulations**OSHA Hazard**

Toxic by inhalation, harmful by skin absorption, corrosive to skin, severe irritant

SARA 311/312 Hazardous Chemical Phosphoric Acid CAS# 7664-38-2 Acute Health Hazard

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

California Proposition 65

This product does not contain any Prop 65 chemical.

State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric Acid 7732-18-5	X	X	X

16. OTHER INFORMATION

NFPA**Health Hazards**

3

Flammability

0

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

3

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

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Revision Note:

New format

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