

1. Product and company identification

Product name: Soft/Sour Max
UN/ID No.: UN1805 Phosphoric Acid Solution
Recommended use of the chemical:
 Recommended use Concentrated Soft and Softener for use in Final Rinse in industrial and commercial use.
Supplier: Butler Chemicals
 3070 E. Ceena Ct.
 Anaheim, CA. 92806

For Chemical Emergency: Spill, leak, Exposure or Incident
CALL INFOTRAC • 24-Hour Number
1(800) 535-5053 or + 1-352-323-3500

Product type: Mixture

2. Hazards identification

Appearance: Opaque Pink **Physical State:** Liquid **Odor:** Downey Fragrance

Classification

Acute Toxicity – Oral	Category 4
Acute Toxicity – Inhalation (Dust/Mists)	Category 2
Skin corrosion/irritation	Category 5
Serious eye damage/eye irritation	Category 1B
Specific target organ toxicity (single exposure)	Category 1

Signal Word: DANGER

Pictograms:



Hazard Statement:

Causes serious eye damage. Causes severe irritation and burns to every area of contact.
 Harmful if swallowed or inhaled.
 Acute Toxicity, oral.
 Harmful to aquatic life.

Precautionary Statements – Preventions:

Read label before use. Keep away from children.
 Do not get in Eyes, on skin or on clothing. Wash face, hands and any exposed skin thoroughly after handling.
 Do not eat, drink or smoke when using this product
 Use only with adequate ventilation, use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep container closed.

Precautionary Statements – Response:

Immediately call a poison control center or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.
 Continue rinsing immediately call a poison control 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 Use only with adequate ventilation. Immediately call a poison center or doctor/physician
 HARMFUL IF SWALLOWED. Keep container closed. Immediately call a poison control center or doctor/physician, Rinse mouth. Do NOT induce vomiting.
 Keep in a cool, dry place. Keep out of reach of children.

Precautionary Statements – Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements –Disposal: Dispose of contents/container in accordance with local, state, national, federal, regional and international regulations:

3. Composition/information on ingredients

INGREDIENTS	CAS NUMBER	PERCENTAGE
Orthophosphoric acid	7664-38-2	10-30
Ethanedionic acid	6153-56-6	10-30
Hydroxyethanoic acid	79-14-1	10-30

4. First aid measures

Eye contact: Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Check for and remove any contact lenses if easy to do so. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids apart. Use cool running water. Do not use an eye ointment.

Skin contact: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, rinse mouth. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Note to physician Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively.

5. Fire-fighting measures

Flash point: N/A

Unusual Fire & explosion Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.

Extinguishing media: Water spray, Foam, Carbon Dioxide, Dry Chemical

Auto ignition temp: No Data

UEL No Data

Special protective equipment for fire-fighters: Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus.

6. Accidental release measures

Personal precautions: Us proper personal protective equipment as indicated in Section 8

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information See Section 13, Disposal considerations, for additional information.

Methods for cleaning up: Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Clean Up: Observe all personal protective equipment recommendations describe in the SDS. Floors will become slippery. Avoid spill area. Contain spill. If leaked material can be pumped, store recovered material in appropriate containers, Clean up remaining

materials from spill with suitable absorbent. Dispose of saturated absorbent material or cleaning materials appropriately. Laws and regulations may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

Personal precautions: Use proper personal protective equipment as indicated in Section 8

7. Handling and storage

Precautions for Safe Handling: Use a well ventilated area. Avoid breathing in mists or vapor. Avoid skin and eye contact. Remove contaminated clothing and wash before reuse. Keep container tightly closed. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.

Storage Store in a cool, dry, well ventilated area, away from heat and out of direct sunlight. Store away from alkalis. Store protected from moisture. Do not store in metal containers. Keep away from food containers.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Tale Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Phosphoric Acid (CAS 7664-38-2)	PEL	1 mg./m ³

US.ACGIH Threshold Limit Value

Components	Type	Value
Phosphoric Acid (CAS 7664-38-2)	STEL	3mg/m ³
	TWA	1 mg/m ³

US.NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Phosphoric Acid (CAS 7664-38-2)	STEL	3mg/m ³
	TWA	1mg/m ³

Biological limit values: No biological exposure limits noted for the ingredient(s)

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measure, such as personal protective equipment

The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield
Skin & Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment
Thermal hazards	Wear appropriate thermal protective clothing, when necessary

General hygiene Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Engineering Controls: Use local exhaust as needed.

Exposure controls - Personal protective equipment

Eye protection: Tightly sealed goggles face shield or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

Respiratory protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

Skin protection: Avoid Skin contact. Use chemically resistant gloves as needed.

9. Physical and chemical properties

Physical state	Liquid
Flash Point	N/A
Color	Opaque Pink
pH	1
Boiling/condensation point	N/A
Vapor pressure	N/A
Vapor Density	N/A
Specific gravity	N/A
Solubility in water	Soluble

10. Stability reactivity

Stability	Stable under normal temperatures and pressures
Hazardous polymerization	May occur
Conditions to avoid	Incompatible materials, metals, excess heat, and exposure to moist air or water.
Materials to avoid	Strong bases, ammonia, finely powdered metals, organic peroxides, caustics (e.g. ammonia, ammonium hydroxide, calcium hydroxide, potassium hydroxide, sodium hydroxide), cyanides (e.g. Potassium cyanide, sodium cyanide), fluorides (inorganic, e.g. ammonium fluoride, calcium fluoride, cesium fluoride), halogenated organics (e.g. dibromoethane, hexachlorobenzene, methyl chloride, trichloroethylene), mercaptans and other organic sulfides (e.g. butyl mercaptan, carbon disulfide, methanethiol), nitromethane, sodium tetrahydroborate, sulfites, mineral acids, moisture, bleaching powder, aldehydes, strong alkalis, chlorides, nickel carbonate.
Hazardous decomposition	Phosphine, oxides of phosphorus, irritating and toxic fume and gases
Products	
Stability	Stable under normal temperatures and pressures

11. Toxicological information

Acute toxicity: Not available

No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA

Inhalation: May cause irritation to the respiratory system. Prolonged inhalation may be harmful

Skin: May be harmful if absorbed through skin. Causes severe skin burns.

Eyes: Causes severe eye burns, causes serious eye damage

Ingestion: Toxic if swallowed. Do not ingest.

Chronic Effects of Long-term Exposure: No data available

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

12. Ecological information

Ecotoxicity	No data available
Persistence and degradability	No data is available on the degradability of this product
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contract with soil, waterways, drains and sewers.

Refer to Section 7: Handling and Storage and Section 8: Exposure controls/Personal Protection for additional handling Information and protection of employees.

14. Transport information

Regulatory Information	UN number	Proper shipping name	Hazard Class	PG*
U.S. DOT Classification	UN1805	Phosphoric Acid solution	8	II

*PG: Packing group

15. Regulatory information

California State Regulations:

U.S. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

California Right to Know Act regulations (SB 258)

Chemical Name	CAS No.	Function	List(s)
N,N-Di (2-tallow amidoethyl)-N-(2-hydroxyethyl)-N-methyl ammonium methyl sulfate	68153-35-5	Fabric softener	N/A
Orthophosphoric acid	7664-38-2	Acidity source	20
Ethanedionic acid	6153-56-6	Acidity source	20
Hydroxyethanoic acid	79-14-1	Acidity source	20

Fragrance(s)

Chemical Name	CAS No.	Concentration	List(s)
Hexanedioic acid, bis(2-ethylhexyl) ester	103-23-1	0.50	17
Butylphenyl Methylpropional	80-54-6	5.00	2, (FRA)
Poly (oxy-1,2-ethanediyl), &a;--(4-nonylphenyl)-. ω-hydroxy, branched	127087-87-0	58.07	6,22
Amy Cinnamal	122-40-7	3.700	(FRA)
Benzyl Benzoate	120-51-4	1.45	(FRA)
Citronellol	106-22-9	0.8536	(FRA)
Coumarin	91-64-5	0.30	(FRA)
Geraniol	106-24-1	0.9240	(FRA)
Linalool	78-70-6	0.500	(FRA)

16. Other information

HMIS	Health Hazards	Flammability	Reactivity	Personal Protection
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Print Date:

Prepared by: Technical Department

Disclaimer

The information provided in the 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 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