



SAFETY DATA SHEET

1. Product and company identification

Product Name TUB-N-TILE
UN/ID No. UN1805 Phosphoric Acid

Recommended use of the chemical and restrictions on use

Recommended Use Industrial use: Acidic cleaner for hard water deposits and other soils

Supplier: Butler Chemicals, Inc.
3070 E. Ceena CT.
Anaheim, CA. 92806

Print date: June 14, 2015

Responsible name: K.B.
In case of emergency: HEALTH EMERGENCIES — SPILL EMERGENCIES
CALL INFOTRAC 1(800) 535-5053

Product type: Mixture

2. Hazards identification

Appearance: Orange Liquid	Physical State: Liquid	Odor: Mint Fragrance
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Classification

Acute Toxicity – Oral	Category 4, H302
Acute Toxicity – Inhalation (Dust/Mists)	Category 5, H335
Skin corrosion/irritation	Category 1B, H314
Serious eye damage/eye irritation	Category 1, H318
Specific target organ toxicity	Category 3, H335

Signal Word: Danger



Hazard Statement

Danger! Corrosive. Causes severe irritation and burns to every area of contact.
H302 Harmful if swallowed
H335 May cause respiratory irritation
H314 Causes severe skin burns and eye damage
H318 Causes severe eye damage
May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Precautionary Statements – Preventions

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 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 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: Immediately call a POISON CENTER or doctor/physician, Rinse mouth, **Do not induce vomiting!**

Precautionary Statements – Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Phosphoric Acid	7664-38-2	14-15
Nonylphenol Ethoxylate	9016-45-9	3-4

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, lots of water to drink. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Most important symptoms and effects, both acute and delayed
Symptoms after inhalation: Coughing Dry/sore throat. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Risk of lung oedema.

Symptoms after skin contact: Caustic burns/ corrosion of the skin

Symptoms after eye contact: Corrosion of the eye tissue.

Symptoms after ingestion: Burns to the gastric/intestinal mucosa. Nausea. Abdominal pain. Blood in vomit. AFTER ABSORPTION OF GHIGH QUANTITIES: Shock

Chronic symptoms: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
Dry skin. Red skin.

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
Flammability of the product:	Not considered to be an explosion hazard
<u>Extinguishing media:</u>	
Suitable:	All extinguishing media allowed
Non suitable:	No unsuitable extinguishing media known
Special protective equipment for fire-fighters:	In the event of a fire, wear full protective clothing and NIOSH-Approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental release measures

Personal precautions:	Wear appropriate personal protective equipment as specified 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

Small spill: Stop the flow of material, if this is without risk. Prevent further leakage or spillage if safe to do so. Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Collect spillage. Absorb spilled liquid with suitable material such as dirt or sand. Prevent entry into waterways, sewer, basements or confined areas.

Large spill: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Do not allow material to contaminate ground water system. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Never return spills to original containers for re-use. This material and its container must be disposed of as hazardous waste. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Handling:	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Do not breath dust/fume/gas/mist/vapors/spray
Storage	Keep away from heat and sources of ignition. Avoid sparks promoters. Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Keep from freezing.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering Controls **Apply technical measures to comply with the occupational exposure limits.**
Local exhaust ventilation recommended. Eye wash stations. Showers.

Individual-protection measures, such as personal protective equipment

Personal protective equipment General	Avoid contact with skin. Avoid contact with eyes. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standard and in discussion with the supplier of the personal protective equipment.
Eye/Face Protection	Wear chemical anti-splash safety goggles. Do not get in eyes. Eye wash fountain is recommended
Skin and Body Protection	Avoid contact with the skin. Wear suitable protective clothing. Wear rubber gloves. Suitable protective clothing.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment. If engineering controls do not maintain airborne concentrations below recommended

	exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
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9. Physical and chemical properties

Physical state	Liquid
Flash Point	N/A
Color	Orange
pH	1-2
Boiling/condensation point	212 degrees F
Melting/freezing point	N/A
Reactivity in water	None
Percent Volatile	75-77%
Solubility in water	Complete

10. Stability reactivity

Stability	Stable under normal conditions
Hazardous polymerization	Will not occur
Conditions to avoid	Excessive heat, direct sunlight and moisture
Incompatibilities	Strong acids, Strong bases
Materials to avoid	Reacts vigorously with alkalies, producing heat. Reacts with many metals producing hydrogen gas.
Hazardous decomposition products	Phosphorus oxides may form when heated to decomposition

11. Toxicological information

Acute toxicity	: Not classified
Skin Corrosion/irritation	: Causes severe skin burns and eye damage
Serious eye damage/irritation	: Cause serious eye damage
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

12. Ecological information

Environmental Fate:

When released into the soil, this material may leach into groundwater. When released to water, acidity may be readily reduced by natural water hardness minerals. The Phosphate, however, may persist indefinitely.

Environmental Toxicity: No information found

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 contact 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	Class	PG*
DOT Classification	UN1805	Phosphoric Acid Solution	8	II

*PG: Packing group

15. Regulatory information

State regulations:

Nonylphenol Ethoxylate CAS# 9016-45-9

California Proposition 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

1,4 DIOXANE

ETHYLENE OXIDE

WARNING! This product contains a chemical known in the state of California to cause birth defects or other reproductive harm.

ETHYLENE XOIDE

SARA Hazard Classification Acute Health Hazard

16. Other information

HMIS	Health Hazards	Flammability	Reactivity	Personal Protection
	2	0	0	B

 Indicates information that has changed from previously issued version.

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 in 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