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Oakton 00654-01

pH 1.68 Buffer

Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION:

CATALOG NUMBER: 00654-01
PRODUCT NAME: pH 1.68 Buffer
PRODUCT USE: Buffer
NFPA RATINGS: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0
MANUFACTURER'S NAME: Thermo Fisher Scientific, Inc
ADDRESS: 22 Alpha Road, Chelmsford MA 01824, USA
PHONE NUMBER FOR INFORMATION: 978-232-6000
CHEMTREC® 24 hr Emergency: US 800-424-9300; International 703-527-3887

II. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT		%	LD ₅₀ mg/kg
Potassium Tetroxalate Dihydrate (KHC ₂ O ₄ ·H ₂ C ₂ O ₄ ·2H ₂ O)			
CAS NO.	6100-20-5	<2	Not available
Deionized Water (H ₂ O)			
CAS NO.	7732-18-5	98	190,000 (IPR-MUS)

III. HAZARDS IDENTIFICATION

Low hazard for normal use. May be harmful if swallowed.
May cause irritation to eyes, skin and mucous membranes.
TARGET ORGANS: Eyes, skin, mucous membranes.
ACUTE TOXICITY: May cause nausea, vomiting, and spasm if ingestion.
CHRONIC TOXICITY: May cause irritation to skin after prolonged exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Disease of the skin.

IV. FIRST AID MEASURES

EYE AND SKIN CONTACT: Wash off with large amounts of water and soap solution.
INGESTION: Give large amounts of water. Consult physician.
INHALATION: Not hazardous.

V. FIRE FIGHTING MEASURES

FLASH POINT: NA AUTOIGNITION POINT: NA
FLAMMABILITY LIMITS: UPPER: NA LOWER:
EXTINGUISHING MEDIA: Water, CO₂, dry chemical or foam.

VI. ACCIDENTAL RELEASE MEASURES

Neutralize with sodium carbonate. Take up with absorbent materials. Place in small containers for disposal. Wash spill site with soap solution.

VII. HANDLING AND STORAGE

Always wear eye protection and gloves when working with this product.
Avoid contact with eyes, skin or clothing. Do not ingest.
Store at room temperature. Keep away from heat and keep container closed.

VIII. EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA THRESHOLD LIMIT: None listed.
ACGIH THRESHOLD LIMIT: None listed.
TWA: None listed.
PROTECTIVE EQUIPMENT: Safety glasses, lab coat and gloves.

IX. PHYSICAL AND CHEMICAL PROPERTIES

STATE: Colorless liquid ODOR THRESHOLD: None
SENSITIVITY TO MECHANICAL IMPACT: None
SENSITIVITY TO STATIC DISCHARGE: None
COEFFICIENT OF OIL/WATER DISTRIBUTION: None
SOLUBILITY IN WATER: Soluble pH: 1.68
SPECIFIC GRAVITY: 1.0
BOILING POINT: 100°C MELTING POINT: Not determined
VAPOR DENSITY: Not determined

X. STABILITY AND REACTIVITY

Product is stable. Hazardous polymerization will not occur.
Incompatibles: Strong oxidizing agents, bases.
Hazardous decomposition product: None known.

XI. TOXICOLOGICAL INFORMATION

Route of Exposure: Eyes, skin and mucous membranes.
Teratogen Status: None
Mutagen Status: None
Reproductive Toxicity: None
Carcinogen Status: None

XII. ECOLOGICAL INFORMATION

None available.

XIII. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with Federal, State and Local Regulations.

XIV. TRANSPORT INFORMATION

Product is not hazardous for transport.

XV. REGULATORY INFORMATION

EUROPEAN INFORMATION:

RISK PHRASES: None.
SAFETY PHRASES: S24/25 Avoid contact with skin and eyes. S36/37/39 Wear suitable protective clothing, gloves, and eye/face protection.

US/ CANADA INFORMATION:

SARA/Title III: Ingredients are not listed.
US TSCA Inventory: Ingredients are listed.
CPR Class: None.
TDG Class: None.
MSDS discloses elements required by the CPR.

XVI. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. ALL PRODUCTS ARE OFFERED IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PRODUCTION SPECIFICATIONS AND ARE INTENDED SOLELY FOR USE IN ANALYTICAL TESTING. THE MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE RESULTING FROM THE HANDLING, USE OR MISUSE OF THESE PRODUCTS.

MSDS prepared by Environmental, Health and Safety.