

QIAGEN INC -- BUFFER QX1, 20021 -- 6550-01-415-0073

===== Product Identification =====

Product ID:BUFFER QX1, 20021  
MSDS Date:09/22/1997  
FSC:6550  
NIIN:01-415-0073  
MSDS Number: CJQNH  
=== Responsible Party ===  
Company Name:QIAGEN INC  
Address:28159 AVENUE STANFORD  
City:SANTA CLARITA  
State:CA  
ZIP:91355  
Country:US  
Info Phone Num:800-362-7737  
Emergency Phone Num:800-362-7737  
CAGE:01QTQ  
=== Contractor I  
dentification ===  
Company Name:QIAGEN INC  
Address:28159 AVENUE STANFORD  
Box:City:SANTA CLARITA  
State:CA  
ZIP:91355  
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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM PERCHLORATE MONOHYDRATE  
CAS:7791-07-3  
RTECS #:SC9850000

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acu

te and Chronic:WARNING: STRONG OXIDIZER, HARMFUL.  
HARMFUL IF INHALED OR SWALLOWED. CAUSES EYE AND SKIN IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY  
TRACT. TARGET ORGANS: THYROID, BLOOD.  
Effects of Overexposure:SEE HEALTH HAZARDS.

===== First Aid Measures =====

First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF  
WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING OF EYES BY  
SEPARATING EYELIDS WITH FINGERS. SKIN CONTACT: IMMEDIATELY WASH  
SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHALATION: REMOVE TO  
FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF  
BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: WASH OUT MOUTH WITH  
WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. REMOVE AND  
WASH CONTAMINATED CLOTHING PROMPTLY.

===== Fire Fighting Measures =====

Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE  
TO SURROUNDING FIRE CONDITIONS.  
Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE  
EQUIPMENT .

===== Accidental Release Measures =====

Spill Release Procedures:WEAR NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER  
GLOVES. ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED  
CONTAINERS FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER  
MATERIAL PICKUP IS COMPLETE.

===== Handling and Storage =====

Handling and Storage Precautions:STORE TIGHTLY CLOSED AT 20-25C.  
Other Precautions:SEVERE EYE IRRITANT. KEEP TIGHTLY CLOSED. STORE IN A  
DRY PLACE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED RESPIRATOR.  
Ventilation:MECHANICAL EXHAUST REQUIRED.  
Protective Gloves:RUBBER GLOVES.  
Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .  
Other Protective

e Equipment:ANSI APPROVED EYE WASH AND DELUGE SHOWER .

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. DO NOT BREATHE VAPOR.

Supplemental Safety and Health

WASTE DISP METH: HANDLE CONTAMINATED PACKAGING IN THE SAME WAY AS THE SUBSTANCE ITSELF. UNLESS SPECIFIED DIFFERENTLY, NONCONTAMINATED PACKAGING MAY BE TREATED LIKE HOUSEHOLD WASTE OR RECYCLED.

===== Physical/Chemical Properties =====

Spec Gravity:1.

53 (20C)

pH:5.1 (20C)

Solubility in Water:SOLUBLE (20C)

Appearance and Odor:YELLOW LIQUID; NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

REDUCING AGENTS, STRONG ACIDS, ORGANIC MATERIALS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND HYDROGEN CHLORIDE GAS.

===== Toxicological Information =====

Toxicological Information:TOXICITY DATA: IPR-MUS LD50: 1150 MG/KG

JA

FCAU 14,512,66. ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

===== Ecological Information =====

Ecological:N/A.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGS . THERE ARE NO UNIFORM REGS FOR THE DISPOSAL OF CHEMICALS OR RESIDUES. CHEMICAL RESIDUES

GENERALLY COUNT AS SPECIAL WASTE. WE  
RECOMMEND THAT YOU CONTACT EITHER THE AUTHORITIES IN CHARGE OR  
APPROVED WASTE DISPOSAL COMPANIES WHICH WILL ADVISE YOU ON HOW TO  
DISPOSE OF SPECIAL WASTE. (SUPDAT)

===== MSDS Transport Information =====

Transport Information:N/A.

===== Regulatory Information =====

Federal Regulatory Information:LABELING: SN, HARMFUL, R 22.

===== Other Information =====  
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