

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 Id

entification ===

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Address:28159 AVENUE STANFORD

Box:City:SANTA CLARITA

State:CA

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Country:US

Phone:800-362-7737

CAGE:01QTQ

===== 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 Acut

e 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 ME
DIA 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

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:1.5
3 (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 JAF
CAU 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 G

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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