

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 ===
Company Name:QIAGEN INC
Address:28159 AVENUE STANFORD
Box:City:SANTA CLARITA
State:CA
ZIP:91355
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 =====
=====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.