

MCGEAN -ROHCO,INC. -- NICKEL SULFAMATE LIQUID 20 OPG -- 6850-00-437-6583

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

Product ID:NICKEL SULFAMATE LIQUID 20 OPG

MSDS Date:05/01/1997

FSC:6850

NIIN:00-437-6583

MSDS Number: BRLXR

=== Responsible Party ===

Company Name:MCGEAN -ROHCO,INC.

Address:2910-HARVARD AVE

City:CLEVELAND

State:OH

ZIP:44109

Country:US

Info Phone Num:216-621-6425/703-527-3887

Emergency Phone

Num:216-441-4900

Resp. Party Other MSDS Num.:44142

Chemtrec Ind/Phone:(800)424-9300

CAGE:98299

=== Contractor Identification ===

Company Name:MCGEAN -ROHCO,INC.

Address:2910-HARVARD AVE

City:CLEVELAND

State:OH

ZIP:44109

Country:US

Phone:216-441-4900

CAGE:98299

Company Name:MCGEAN-ROHCO INC

Address:9520 E CEE BEE DR

Box:City:DOWNEY

State:CA

ZIP:90241-5501

Country:US

Phone:562-803-4311/FAX: 562-803-6701

Contract Num:SP0450-99-M-CD39

CAGE:71361

===== Composition/Information on Ingredient

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Ingred Name:NICKEL SULFAMATE
CAS:13770-89-3
RTECS #:QR9275000
Minumum % Wt:10.
Maxumum % Wt:11.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 NI
ACGIH TLV:0.1 MG/M3 NI

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: NASAL CAVITIES, LUNG,
SKIN.
ACUTE EFFECTS. POSSIBLE SLIGHT IRRITATION. CHRONIC EFFECTS:
SKIN SENSITIZATION. CHRONIC ECZEMA OR "NICKEL ITCH".
Explanation of Carcinogenicity:SUSPECT CARCINOGEN
Effects of Overexposure:EYES-SLIGHT IRRITATION. INGESTION- NAUSEA,
VOMITING, DIARRHEA. SKIN-ITCHING. INHALED-NONE KNOWN.
Medical Cond Aggravated by Exposure:DERMATITIS.

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

First Aid:EYES-FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF ANY
IRRITATION PERSISTS,
SEE A PHYSICIAN. SKIN CONTACT-WASH WITH SOAP &
WATER. INHALATION-REMOVE TO FRESH AIR. INGESTED-IF CONSCIOUS, GIVE
MILK OR WAT ER TO DRINK & INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:NOT FLAMMABLE. DLA-HMIS STAFF: WATER SPRAY,
CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATH

ING APPARATUS. DLA-HMIS STAFF: USE WATER SPRAY
TO COOL FIRE EXPOSED CONTAINERS.
Unusual Fire/Explosion Hazard:TOXIC AND CORROSIVE FUMES COULD BE
EMITTED UNDER FIRE CONDITIONS.

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

Spill Release Procedures:ABSORB ON SUITABLE MATERIAL SUCH AS CLAY OR
VERMICULITE, ETC.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:S
TORE IN TIGHTLY CLOSED CONTAINER.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:IF TWA EXCEEDED, MUST BE NIOSH OR MSHA APPROVED.
Ventilation:SUFFICIENT TO KEEP BELOW TWA LIMIT.
Protective Gloves:RUBBER.
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:SUFFICIENT TO PREVENT SKIN CONTACT, EYE
WASH,. DLA-HMIS: SAFETY SHOWER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Su
pplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:C3
Boiling Pt:>100.C, 212.F
Vapor Pres:18 @ 68F
Vapor Density:0.6
Spec Gravity:1.4 - 1.5
pH:3 - 5
Evaporation Rate & Reference: