

CORCO CHEMICAL CORP -- NITRIC ACID -- 6810-00-237-2954

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

Product ID:NITRIC ACID

MSDS Date:11/21/1991

FSC:6810

NIIN:00-237-2954

MSDS Number: BTCLN

=== Responsible Party ===

Company Name:CORCO CHEMICAL CORP

Address:TYBURN RD AND CEDAR LN

City:FAIRLESS HILLS

State:PA

ZIP:19030

Country:US

Info Phone Num:215-295-5006

Emergency Phone Num:215-295-5006/5007

CAGE:58571

===

Contractor Identification ===

Company Name:CORCO CHEMICAL CORP

Address:TYBURN RD AND CEDAR LN

Box:City:FAIRLESS HILLS

State:PA

ZIP:19030-4601

Country:US

Phone:215-295-5006

CAGE:58571

Company Name:DYNATECH SCIENTIFIC INC

Address:1401 27TH ST

Box:640164

City:KENNER

State:LA

ZIP:70064

Country:US

Phone:504-465-9604

CAGE:0VL27

=====
Composition/Information on Ingredients
=====

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU5775000

Fraction by Wt: 70%

Other REC Limits

:100 PPM (MFR)
OSHA PEL:2 PPM
ACGIH TLV:2 PPM/4 STEL; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:TLV 2 PPM.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. CORROSIVE. ACUTE- MAY BE FATAL IF INGESTED/INHALED.
SEVERE BURNS & ULCERATION TO MOUTH, THROAT, S
TOMACH. SEVERE EYE,
SKIN, RESPIRATORY TRACT IRRITATI ON, COUGHING, DIFFICULTY IN
BREATHING, PULMONARY EDEMA. CHRONIC- OBSTRUCTIVE PULMONARY DISEASE
AND DENTAL EROSION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL
TRACTS IRRITATION/BURNS, COUGHING, ABDOMINAL PAIN, NAUSEA,
VOMITING, DENTAL EROSION
Medical Cond Aggravated by Exposure:DAMAGED SKIN, EYE DISORDERS,
LUNG/RESPIRATORY SYSTEM DISEASES AND TOOTH

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

First Aid:GET MEDICAL CARE IMMEDIATELY IN ALL CASES.
EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
KEEP EYELIDS OPEN. INHALATION:REMOVE TO FRESH AIR. PROVIDE
CPR/OXYGEN IF NEEDED. INGESTION:IF CONSCIOUS, DRINK MILK/WATER OR
MILK OFMAGNESIA. DO NOT INDUCE VOMITING.

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

Flash Point:NONE
Extinguishing Media:FLOOD AREA WITH WATER, SODA ASH,
DRY CHEMICAL. COOL
CONTAINERS WITH WATER SPRAY. DO NOT GET WATER INSIDE CONTAINERS.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:VIOLENT REACTION WITH WATER AND FUELS.
MAY IGNITE COMBUSTIBLES. POWERFUL OXIDIZER. CONTACT WITH METALS MAY
LIBERATE HYDROGEN GAS.

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

=

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. DO NOT RELEASE INTO SOIL, SEWER, STREAM. STOP LEAK IF POSSIBLE. NEUTRALIZE WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN CONTAINER FOR DISPOSAL. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:SODA ASH, LIME, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS, IN CORROSION

-PROOF AREA, AWAY FROM LIGHT, HEAT, FLAME, COMBUSTIBLES AND INCOMPATIBLES.

Other Precautions:STORAGE COLOR CODE: YELLOW (REACTIVE). DANGER! STRONG OXIDIZER & CORROSIVE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPORS/MIST. USE UNDER THE HOOD WITH ADEQUATE VENTILATION. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.

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

Respiratory Protection:USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED. DO NOT USE OXIDIZABLE SORBENTS.

Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).

Protective Gloves:NITRILE, NEOPRENE, VINYL, RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES AND FACE SHIELD

Other Protective Equipment:USE RUBBER SPLASH APRON AND RUBBER BOOTS. EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY. DO NOT WEAR CONTACT LENSES

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

OBSERVE ALL PRECAUTIONS WHEN HANDLING "EMPTY" CONTAINERS AND POSSIBLE RESIDUE THEREIN.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:183F - 251F

Melt/Freeze Pt:M.P/F.P Text:-42F - 61F

Vapor Pres:2-10

3 @68F

Spec Gravity:1.5

Solubility in Water:MISCIBLE

Appearance and Odor:COLORLESS OR YELLOWISH, FUMING LIQUID - CHOKING
ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, STRONG BASES, COMBUSTIBLE MATTER, METAL POWDER

Stability Condition to Avoid:HEAT, STEAM, COMBUSTIBLE MATERIALS, SPARKS
AND FLAMES (HYDROGEN GAS MAY BE PRESENT)

Hazardous Decomposition Products:TOXIC AND CORROSIVE FUMES, OXIDES OF
N

ITROGEN AND HYDROGEN GAS

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

Waste Disposal Methods:CONTACT FEDERAL, STATE AND LOCAL ENVIRONMENTAL
REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL. EPA HAZARDOUS
SUBSTANCE. KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC..) AWAY FROM
SPILLED MATERIAL.

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.