

OLIN CORPORATION -- NITRIC ACID 38-42 DEG B -- 6810-00-222-9655

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

Product ID:NITRIC ACID 38-42 DEG B

MSDS Date:08/15/1986

FSC:6810

NIIN:00-222-9655

MSDS Number: BQDHT

=== Responsible Party ===

Company Name:OLIN CORPORATION

Address:120-LONG RIDGE ROAD

Box:1355

City:STAMFORD

State:CT

ZIP:06904-1355

Country:US

Info Phone Num:203-356-2000

Emergency Phone Num:800-654-69

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CAGE:99530

=== Contractor Identification ===

Company Name:MANLEY-REGAN CHEMICAL CO

Address:532 E EMAUS ST

Box:391

City:MIDDLETOWN

State:PA

ZIP:17057

Country:US

CAGE:0CG92

Company Name:OLIN CORPORATION

Address:501 MERRITT 7

Box:4500

City:NORWALK

State:CT

ZIP:06856-4500

Country:US

Phone:203-750-3000/800-511-MSDS

CAGE:99530

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

Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU5775000

= Wt:61.

Other REC Limits:NONE SPEC

IFIED  
OSHA PEL:2 PPM/4 STEL  
ACGIH TLV:2 PPM/4 STEL; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
&lt; Wt:39.  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LC50 (RAT, INHALATION-1 HR) IS 2500 PPM  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EFFECTS OF ACUTE EXPOSURE: CORROSI  
VE  
TO SKIN AND EYES. MAY CAUSE SEVERE SKIN, EYE AND MUCOUS MEMBRANE  
IRRITATION. BURNS TO ALL TISSUES CONTACTED, PULMONARY EDEMA. NO  
UNUSUAL CHRONIC TOXICITY KNOWN.  
Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC, MUTAGENIC.  
Effects of Overexposure:SKIN, EYE AND MUCOUS MEMBRANE IRRITATION. BURNS  
TO ALL TISSUES CONTACTED. LUNG IRRITATION AND PULMONARY EDEMA. CAN  
BE FATAL IF SWALLOWED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, GET  
MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15  
MINUTES, LIFTING EYELIDS. GET MEDICAL ATTENTION. SKIN: WASH WITH  
SOAP AND WATER W HILE REMOVING CONTAMINATED CLOTHING. INGESTION: DO  
NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER. IF  
VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET  
MEDICAL ATTENTION.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Extinguishing Media:USE WATER SPRAY. COOL CONTAINERS EXPOSED TO FIRE 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:STRONG OXIDIZER. CONTACT WITH OTHER MA

TERIAL MAY CAUSE FIRE. REACTS WITH MOST METALS FORMING HHYDROGEN GAS. REACTS WITH WATER TO PRODUCE HEAT.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. WEAR NIOSH APPROVED SCBA, GOGGLES, COVERALLS, IMPERVIOUS GLOVES AND BOOTS. MINIMIZE CONTAMINATION WITH ORGANIC MATERIALS. DO NOT RETURN MATERIAL TO ORIGINAL CONTAINER. ADD INERT ABSORBENT. PLACE IN OPEN CONTAINER.

Neutralizing Agent:SODA ASH, LIME  
, SODIUM BICARBONATE

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. SEPARATE FROM ALL INCOMPATIBLE, COMBUSTIBLE & OXIDIZING MATERIALS. PROVIDE GOOD VENTILATION. AVOID DIRECT SUNLIGHT.

Other Precautions:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. DO NOT TAKE INTENALLY. UPON CONTACT WITH SKIN OR EYES, WASH OFF WITH WATER. DO NOT BREATH VAPOR OR MIST. PROTECT AGAINST PHYSICAL DAMAGE.

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

Respiratory Protection:USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) OR MINE SAFETY AND HEALTH ADMINISTRATION (MSHA) APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PER MISSIBLE EXPOSURE LIMITS ARE EXCEEDED.

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

Protective Gloves:NITRILE, NEOPRENE, VINYL

Eye Pr

rotection:CHEMICAL SAFETY GOGGLES & 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:WASH THOROUGHLY AFTER HANDLING AND BEFORE  
EATING OR DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A UNDER THE SAME  
NSN.

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

HCC:C1

Boiling Pt:>117.2C, 2

43.F

Melt/Freeze Pt: