

J.T.BAKER CHEMICAL CO. -- NITRIC ACID,9601 -- 6810-00-222-9655

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Product Identification  
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Product ID:NITRIC ACID,9601

MSDS Date:05/01/1989

FSC:6810

NIIN:00-222-9655

MSDS Number: BLXFX

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-859-2151/800-JTBAKER

Emergency Phone Num:201-

859-2151/908-859-2151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients  
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Ingred Name:NITRIC ACID (SARA III)

CAS:7697-37-2

RTECS #:QU577500

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Fraction by Wt: 65 - 71%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 PPM/4 STEL

ACGIH TLV:2 PPM/4 STEL; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 29 - 35%

Other REC Limits:NONE SPECIFIED

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===== 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

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Health Hazards Acute and Chronic:ACUTE-INGESTION:MAY BE FATAL.SEVERE

BURNS & ULCERATION TO MOUTH,THROAT,STOMACH.MAY CAUSE

NAUSEA,VOMITING.EYE/SKIN: SEVERE IRRITATION/BURNS.INHALATION:MAY BE

FATAL.SEVERE IRRITATION/BURNS OF RESPIRATORY

SYSTEM,COUGHING,DIFFICULT BREATHING,PULMONARY EDEMA,LUNG

INFLAMMATION,UNCONSCIOUSNESS.CHRONIC-DAMAGE TO LUNGS,TEETH.

Effects of Overexposure:MAY BE FATAL IF INGESTED. SEVERE BURNS &

ULCERATION TO MOUTH, THROAT AND STOMACH. MAY CAUSE NAUSEA,

VOMITING. SEVERE EYE AND SKIN IRRITATION OR BURNS. MAY BE FATAL IF

INHALED. SEVERE IRRITATION OR BURNS OF RESPIRATORY SYSTEM,

COUGHING, DIFFICULT BREATHING, PULMONARY EDEMA, LUNG INFLAMMATION,

UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:DAMAGED SKIN, EYE DISORDERS,

CARDIOPULMONARY DISEASE, LUNG DISEASE

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===== 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 OF

MAGNESIA.DO NOT INDUCE VOMITING.

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

Flash Point: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:MAY EMIT OXIDES OF NITROGEN & HYDROGEN.  
STRONG OXIDIZER.CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. REACTS  
WITH MOST METALS FORMING H<sub>2</sub> GAS.REACTS W/H<sub>2</sub>O -> HEAT.

===== 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:STORAGE-STORE IN TIGHTLY CLOSED  
CONTAINERS, IN CORROSION-PROOF AREA,AWAY FROM LIGHT,INCOMPATIBLES.

Other Precautions:STORAGE COLOR CODE: YELLOW (REACTIVE). DANGER! STRONG  
OXIDIZER & CO

RROSIVE. 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) OR MINE SAFETY AND HEALTH ADMINISTRATION (MSHA)  
APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE  
PRESSURE MODE WHEN PERMISSIBLE 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 Protection: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:C4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=120.6C, 249.F

Melt/Freeze Pt:=-41.7C, -43.F

Vapor Pres:8 @ 20C

Spec Gravity:1.41

pH:1

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH A SUFFOCATING ODOR.

Percent Volatiles by Volume:100

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

Stabi

lity Indicator/Materials to Avoid:YES

MOST COMMON METALS,POWDERED METALS,CYANIDES,CARBONATE, STRONG  
BASES,STRONG REDUCING AGENTS,COMBUSTIBLES,SULFIDES,ALCOHOL

Stability Condition to Avoid:HEAT, LIGHT, MOISTURE

Hazardous Decomposition Products:OXIDES OF HYDROGEN AND NITROGEN

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

Waste Disposal Methods:CONTACT FEDERAL, STATE AND LOCAL ENVIRONMENTAL  
REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL. EPA HAZARDOUS  
WASTE NU

MBER: D001, D002 (IGNITABLE, CORROSIVE WASTE). KEEP

COMBUSTIBLES (WOOD, PAPER, OIL, ETC..) AWAY FROM SPILLED MATERIAL.

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