

NITRIC ACID,TECHNICAL

MSDS Number

BDKCV

National Stock Number

6810-00-222-9655

Product Name

NITRIC ACID,TECHNICAL

Manufacturer

J T BAKER CHEMICAL CO

Product Identification

Product ID:NITRIC ACID,TECHNICAL

MSDS Date:01/01/1985

FSC:6810

NIIN:00-222-9655

MSDS Number: BDKCV

Responsible Party

J.T. BAKER CHEMICAL CO

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 201-859-2151

Info Phone: 201-859-2151

Cage: 5B970

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

NITRIC ACID (SARA III)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: >40%.

OSHA PEL2 PPM/4 STEL

ACGIH TLV: 2 PPM/4 STEL; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Effects of Overexposure:SEVERE BURNS TO SKIN OR EYES.INHALATION OF VAPOR OR OXIDES OF NITROGEN IS INJURIOUS TO LUNGS

First Aid

First Aid:IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MIN.CALL A DOCTOR AT ONCE.IF INHALED,REMOVE TO FRESH

AIR. IF NOT BREATHING, GIVE ARTIF. RESP. IF BREATHING IS DIFFICULT, GIVE OXYGEN, CALL DOCTOR

Fire Fighting

Extinguishing Media: WATER SPRAY

Fire Fighting Procedures: AVOID INHALATION OF POISONOUS GASEOUS OXIDES OF NITROGEN

Unusual Fire/Explosion Hazard: WOOD AND OTHER ORGANICS MAY IGNITE SPONTANEOUSLY OR HAVE GREATLY INCREASED FLAMMABILITY. EXP-H₂S, PWD

Accidental Release

Spill Release Procedures: FLUSH SPILL WITH PLENTY OF WATER & NEUTRALIZE WITH ALKALINE MATERIAL SUCH AS SODA ASH, LIME, ETC.; PROVIDE ADEQUATE VENTILATION TO ELIMINATE OXIDES OF NITROGEN FUMES & ANY CO₂ GAS FROM USE OF SODA ASH OR LIMESTONE

Handling

Handling and Storage Precautions: STORE IN WELL VENTILATED PROPERLY RDRAINED SITE AWAY FROM HEAT & OUT OF SUN. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions: NITRIC VAPOR & OXIDES OF NITROGEN ARE INSIDIOUS, SYMPTOMS FROM INHALATION MAY BE DELAYED. DO NOT BREATHE THESE FUMES. STORE IN A COOL, DRY AREA.

Exposure Controls

Respiratory Protection: USE SELF-CONTAINED OXYGEN OR CLEAN AIR SUPPLIED BREATHING APPARATUS.

Ventilation: LOCAL EXHAUST TO ELIMINATE ALL FUMES.

Protective Gloves: NEOPRENE

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: FACE SHIELD, NEOPRENE APRONS, NEOPRENE SAFETY SHOES, NEOPRENE CLTH

Supplemental Safety and Health

SPECIAL FIRE FIGHTING PROCEDURES (CONTD): FOLTER TYPE RESPIRATORS ARE UNSUITABLE. USE SELF-CONTAINED OR AIR SUPPLIED BREATHING APPARATUS APPROVED BY NIOSH.

Chemical Properties

HCC: C1

Boiling Pt: B.P. Text: 244F, 118C

Vapor Pres: 3.0

Vapor Density: 3.0

Spec Gravity: 1.41

Evaporation Rate & Reference: 1.0 (BUTYL ACETATE = 1)

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS TO LIGHT YELLOW (EXPOSED TO LIGHT) LIQUID WITH AN ACRID ODOR.

Percent Volatiles by Volume: 100.

Stability

Stability Indicator/Materials to Avoid: YES

MOST METALS, H₂S, WOOD, EXCELSIOR, PAPER COTTON & ORGANICS.

Disposal

Waste Disposal Methods: DILUTE & NEUTRALIZE AS ABOVE BEFORE DISPOSAL. IF LOCAL ENVIRONMENTAL REGULATIONS PERMIT, FLUSH NEUTRALIZED RESIDUE TO AN APPROVED DISPOSAL AREA WITH PLENTY OF WATER.

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