

J T BAKER INC -- OXALIC ACID, DIHYDRATE -- 6810-00-132-4020

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

Product ID:OXALIC ACID, DIHYDRATE

MSDS Date:05/01/1989

FSC:6810

NIIN:00-132-4020

MSDS Number: BKBVS

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:908-859-2151, 800-424-8802

CAGE:DO803

=== Contractor Identification ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:1-800-582-2537

CAGE:DO803

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

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

Ingred Name:OXALIC ACID, DIHYDRATE (LIMITS AS OXALIC ACID, CAS
NO.144-62-7.)

CAS:6153-56-6

Fract

ion by Wt: 90-100%
OSHA PEL:1 MG/M3;2 MG/M3 STEL
ACGIH TLV:1 MG/M3;2 MG/M3 STEL

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

LD50 LC50 Mixture:LD50:ORAL,RAT:375 MG/KG;DRML,RBT:20 G/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:RESPIRATORY SYSTEM,
EYES, SKIN, KIDNEYS, MUCOUS MEMBRANES. ACUTE:INHAL:CORROSION OF
MOUTH, THROAT, & STOMACH, HEADACHE, COUGHIN
G, DIFFICULT BREATHING,
CHEST PAINS, SEVERE LUNG IRRITATION , PULMONARY EDEMA, & MAY BE
FATAL. SKIN/EYE:SEVERE BURNS. INGEST: HEADACHE, NAUSEA, VOMITING,
(SEE EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:GASTROINTESTINAL IRRITATION,
CONVULSIONS, BURNS TO MOUTH, THROAT, AND STOMACH, AND MAY BE FATAL.
CHRONIC:KIDNEY DAMAGE. MFR IDENTIFIES SKIN AND INGESTION AS ROUTES
OF ENTRY .
Medical Cond Aggravated by Exposure:CHRONIC RESP
IRATORY DISEASE, KIDNEY
DISORDERS, SKIN DISORDERS.

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

First Aid:INGEST:DO NOT INDUCE VOMIT. IF CONSCIOUS, GIVE WATER/MILK OR
MILK OF MAGNESIA. CALL MD. INHAL:REMOVE TO FRESH AIR. SUPPORT
BREATHING (GIVE O2/ARTF RESP). RINSE MOUTH OR GARGLE REPEATEDLY W/
COLD WATER . SKIN:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST
15 MINS. EYE:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15
MINS.

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

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR NIOSH/MSHA APPRVD
SCBA W/FULL FACEPIECE OPERATED IN POSTIVE PRESSURE MODE & FULL PROT
EQUIP. MOVE CNTNRS FROM FIRE AREA (SEE SUPP DATA)
Unusual Fire/Explosion Hazard:NOTE:DECOMPOSES AT MELTING POINT.

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

Spill Release Procedures:WEAR NIOSH

/MSHA APPRVD SCBA & FULL PROT CLTHG.

W/CLEAN SHOVEL, PLACE MATL INTO CLEAN, DRY METAL CNTNR & COVER
W/DRY SAND, LIME OR SODA ASH. KEEP CONTAINER TIGHTLY COVERED.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE
IN CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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Exposure Controls/Personal Protection
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Respiratory Protection:REQUIRED IF AIRBORNE CONC EXCEEDS TLV. AT CONCS
UP TO 10 PPM, A NIOSH/MSHA APPRVD HIGH-EFFICIENCY PARTICULATE
RESPIRATOR IS RECOMMENDED. ABOVE THIS LEVEL, A NIOSH/MSHA APPRVD
SCBA IS ADVISED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV
REQUIREMENTS.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:UNIFORM, APRON.

Work Hygienic Practices:W

ASH HANDS THOROUGHLY AFTER USE AND BEFORE
EATING, SMOKING OR USING SANITARY FACILITIES .

Supplemental Safety and Health

FIRE FIGHT PROC:IF IT CAN BE DONE WITHOUT RISK. USE WATER TO KEEP
FIRE-EXPOSED CONTAINERS COOL.

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Physical/Chemical Properties
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HCC:C1

Melt/Freeze Pt:M.P/F.P Text:213F,101C

Vapor Density:4.3

Spec Gravity:1.65

Solubility in Water:APPRECIABLE (>10%)

Appearance and Odor:WHITE CRYSTALLINE SOLID. ODORLESS.

Percent Volatiles by Volume:0

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG BASES, SILVER AND SILVER COMPOUNDS,
MOST COMMON METALS.

Stability Condition to Avoid:HEAT

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

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Disposal Considerations
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Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE, AND
LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZ WASTE NO

:D002 (CORROSIVE
WASTE).

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