

MALLINCKRODT -- TARTARIC ACID -- 6810-00-234-2057

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

Product ID:TARTARIC ACID

MSDS Date:08/07/1986

FSC:6810

NIIN:00-234-2057

MSDS Number: BPZHK

=== Responsible Party ===

Company Name:MALLINCKRODT

Box:800

City:PARIS

State:KY

ZIP:40362

Country:US

Info Phone Num:314-539-1600

Emergency Phone Num:314-539-1600

CAGE:ZA916

=== Contractor Identification ===

Company Name:MALLINCKRODT MEDICAL, INC

Address:2703 WAGNER PLACE

Box:M

City:MARYL

AND HEIGHTS

State:MO

ZIP:63043

Country:US

Phone:314-770-7800

CAGE:ZA916

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:TARTARIC ACID

CAS:87-69-4

RTECS #:WW7875000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED BY M.

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

LD50 LC50 Mi

xture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- INHALATION:NUISANCE DUST. CAN CAUSE COUGHING AND SNEEZING. INGESTION: MILDLY IRRITATING TO GASTROINTESTINAL SYSTEM IF LARGE QUANTITIES ARE INGESTED. EFFECT IS THAT OF AN ACID. EYE: MILD IRRITANT AND POSSIBLY TEMPORARILY ABRASIVE.  
Explanation of Carcinogenicity:NOT RELEVANT.  
Effects of Overexposure:COUGHING, SNEEZING, NAUSEA, VOMITING AND DIARRHEA.  
Medical Cond Aggravated by Exposure:NO INFORMATION FOUND.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY. INGESTION: GIVE SEVERAL GLASSES OF WATER TO DRINK TO DILUTE. IF LARGE AMOUNTS WERE SWALLOWED, GET MEDICAL ADVICE. S KIN: WASH EXPOSED AREA WITH SOAP AND WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS.  
EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

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

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM, OR CARBON DIOXIDE.  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESS DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT .  
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD. AS WITH MOST ORGANIC SOLIDS, FIRE IS POSSIBLE AT ELEVATED TEMPERATURES OR BY CONTACT WITH AN IGNITION SOURCE.

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

Spill Release Procedures:VENT AREA. CLEAN-UP PERSONNEL MAY REQ PROT CLTHG & RESP PROT FROM DUST. SWEEP UP OR VACUUM UP AND CONTAINERIZE FOR RECLAMATION/DISPOSAL. AVOID DUST DISPERSAL. TRACE RESIDUE MAY BE FLUSHED TO SEWER W/L RG AMTS OF H2O.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and S

torage Precautions:KEEP IN TIGHTLY CLOSED CONTAINER.

STORE IN COOL, DRY, VENTILATED AREA AWAY FROM SOURCES OF HEAT OR  
IGNITION. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:FOR CONDITIONS OF USE WHERE EXPOSURE TO DUST IS  
APPARENT, A NIOSH APPROVED DUST/MIST RESPIRATOR MAY BE WORN. FOR  
EMERGENCIES, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS

MAY BE NECESSARY.

Ventilation:GENERAL OR LOCAL.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH FOUNTAIN AND QUICK-DRENCH  
FACILITIES IN WORK AREA.

Work Hygienic Practices:CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING  
WITH MATERIAL.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:403F,206C

Solubility i

n Water:133G/100G OF H2O

Appearance and Odor:WHITE CRYSTALS, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

SILVER AND SILVER COMPOUNDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CO2 AND CO MAY FORM WHEN HEATED TO  
DECOMPOSITION.

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

Waste Disposal Methods:WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY B

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DISPOSED AS ACID WASTE IN AN APPROVED WASTE DISPOSAL FACILITY.  
ENSURE COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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