

J T BAKER INC -- SODIUM BORATE, 10-HYDRATE, 3574 -- 6505-00-300-0571

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

Product ID:SODIUM BORATE, 10-HYDRATE, 3574

MSDS Date:05/01/1989

FSC:6505

NIIN:00-300-0571

MSDS Number: BSTXQ

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-839-2151

Emergency Phone Num:800-

424-8802;800-424-9300(CHEMTREC)

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:SODIUM BORATE, DECAHYDRATE; (SODIUM BORATE, 10 HYDRATE)

CAS:1303-96-4
RTECS #:VZ2275000
Fraction by Wt: 99-100%
OSHA PEL:10 MG/M3
ACGIH TLV:5 MG/M3

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

LD50 LC50 Mixture:LD50:(ORAL,RAT)2660 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED/INHAL.
INHAL/SKIN/EYE/SKIN ABSORP: NONE IDENTIFIED. INGEST: NAUSEA,
VOMITING. CHRONIC: NONE IDENTIFIED.

Explanation
of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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

First Aid:INGEST: CALL A PHYSICIAN. IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTF RESP. IF BREATHING IS DEFICIENT, GIVE OXYGEN. SKIN: FLUSH WITH WATER. EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

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

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NONE IDENTIFIED BY MANUFACTURER.

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

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE CLOTHING. W/CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CONTAINERS.

O

CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED.

SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA. AVOID CONTACT WITH EYES/SKIN/CLOTHING. AVOID BREATHING DUST.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, A NIOSH/MSHA APPROVED DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

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

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGLES .

Other Protective Equipment:LAB COAT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

Boiling Pt:B.P. Text:608F,320C

Melt/Freeze Pt:M.P/F.P Text:167F,75C

Spec Gravity:1.73(H₂O=1)

Solubility in Water:MODERATE (1-10%)

Appearance and Odor:WHITE CRYSTALS, ODORLESS

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, METALLIC

SALTS.

Stability Condition to Avoid:NONE DOCUMENTED BY MANUFACTURER.

Hazardous Decomposition Products:OXIDES.

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

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.