

MATERIAL SAFETY DATA SHEET

FRITZ PET PRODUCTS (DIVISION OF)
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Ingredients/Identity Information
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Proprietary: NO
Ingredient: SODIUM BICARBONATE
CAS Number: 144-55-8
OSHA PEL: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance and Odor: WHITE GRANULAR SOLID, ODORLESS
Boiling Point: N/APPLI
Melting Point: DECOMPOSES
Vapor Pressure (MM Hg/70 F): N/AVAI
Vapor Density (Air=1): N/APPLI
Specific Gravity: 2.20
Decomposition Temperature: D
Evaporation Rate And Ref: N/APPLI
Solubility In Water: 9.0% MODERATE
Percent Volatiles By Volume: N/AVAI
Viscosity: D
pH: SUPPLE
Corrosion Rate (IPY): NP
Auto ignition Temperature: NA

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Fire and Explosion Hazard Data
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Flash Point: NON-COMBUSTIBLE
Lower Explosive Limit: NA
Upper Explosive Limit: NA
Extinguishing Media: WATER, WATER FOG, CARBON DIOXIDE (CO2), DRY CHEMICAL.
Special Fire Fighting Proc: NONE
Unusual Fire and Expl Hazards: NONE.PRODUCT IS NON-COMBUSTIBLE.REACTS W/
ACIDS TO RELEASE CARBON DIOZIDE & HEAT.

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Reactivity Data
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Stability: YES
Conditions to Avoid (Stability): CONTACT W/ACIS EXCEPT UNDER CONTROLLED
Materials to Avoid: ACIDS, RXS W/ACIDS TO RELEASE CARBON DIOXIDE GAS &
HEAT.
Hazardous Decomp Products: NONE
Hazardous Poly Occur: NO
Conditions to Avoid (Poly): NOT APPLICABLE

Health Hazard Data

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LD50-LC50 Mixture: LD50 RAT ORAL 4300MG/KG 20% SLURRY
Route of Entry - Inhalation: YES
Route of Entry - Skin: YES
Route of Entry - Ingestion: YES
Health Haz Acute And Chronic: NO SIGNIFICANT HEALTH EFFECTS ANTICIPATED.
EYE CONTACT: NON-IRRIT. SKIN CONTACT: NON-IRRIT.SKIN ABSORPTION: NO DATA
AVAILABLE.INHAL: NO DATA AVAILABLE.INGEST:LD50 RAT ORAL 6000MG/KG 50%
SLURRY.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: PER MSDS: CARCINOGENIC POTENTIAL:REG BY OSHA/
LISTED ON NTP/IARC GROUP 1,2A,2B:NO.
Signs/Symptoms of Overexposure: SODIUM BICARBONATE IS A GRAB (GENRALLY
RECOGNIZED AS SAFE) FOOD INGRED.NO SIGNIFICANT TOXICITY IS EXPECTED.
Med Conditions Aggravated by Exposure: ADMINISTRATION OF LARGE DOSES OF SODIUM
BICARBONATE TO PATIENTS W/RENAL INSUFFICIENCY CAN PRODUCE SYSTEMIC
ALKALOSIS. TARGET ORGANS: NONE.
Emergency/First Aid Proc: EYE: FLUSH W/WATER FOR @LEAST 15MINS.IRRIT
OCCURS/PERSISTS OBTAIN MED ATTN.SKIN: WASH W/PLENTY OF SOAP/WATER.GET MED
ATTN IR IRRIT OCCURS/PERSISTS.INHAL: REMOVE TO FRESH AIR.BREATHING DIFFI/
DISCOMFORT OCCURS/PERSISTS OBTAIN MED ATTN.INGEST: DRINK PLENTY OF WATER.
NEVER GIVE ANYTHING BY MOUTH TO UNCONSC PERSON.ANY DICOMFORT PERSISTS
OBTAIN MED ATTN.NOTE TO DR: INTERNAL TOXICITY LOW.TREATMENT (SUPPLEMEN)
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Precautions for Safe Handling and Use

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Steps If Material Released/Spill: SWEEP UP AS MUCH AS POSSIBLE FOR SALVAGE OR
DISPOSAL.WASH AWAY RESIDUE W/WATER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: IF MATERIAL CAN'T BE SALVAGED AN ACCEPTABLE METHOD IS TO
DISPO OF UNCONTAM PRODUCT INTO SECURED LANDFILL IAW ALL LOCAL, STATE AND
FEDERAL ENVIRONMENTAL REGLS.EMPTY CNTNRS MAY BE INCINERATED OR DISCARDED AS
GENERAL TRASH.NOT LISTED IN ANY REGS.
Precautions-Handling/Storing: USE AIR CONVEYING/MECHAN SYS FOR BULK TRANSF
TO STORAGE.FOR MANUAL HNDLG OF BULK TRANSF USE MECH VENTI TO REMOVE
AIRBORNE DUST FROM RAILCAR/SHIP/TRUCK.
Other Precautions: USE APPROV RESP PROT WHEN VENTI SYS ARE NOT AVAIL.
SELECTION OF RESPIRATORS BASED ON DUST CLOUD GENERATED.STORE IN COOL DRY
AREA, AWAY FRM ACIDS.USE LOC/GEN RM VENTI TO CNTRL AIRBORNE DUST THAT MAY BE
GENERATED INTO WORK ENVIRONMENT.
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Control Measures

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Respiratory Protection: WEAR MSHA-NIOSH APPROVED DUST RESPIRATOR IF
EXCESSIVE VISIBLE DUST LEVELS ARE EXPECTED.
Ventilation: USE GENERAL ROOM DILUTION OR LOCAL EXHAUST VENTIALTION WHEN
EXCESSIVE DUST IS EXPECTED IN THE WORK ENVIRONMENT.
Protective Gloves: GENERAL PURPOSE
Eye Protection: CHEMICAL GOGGLES
Other Protective Equipment: FULL COVER CLOTHING.FOOTWEAR: NONE.
Work Hygienic Practices: MIN EYE/SKIN CONTACT BY USING APPROPRIATE PROTECTIVE
EQUIPMENT.
Supplemental Safety & Health Data: DEN:0.88G/ML. PH(1% SOLN)=8.3;PH AS IS:N/A FIRST AID:FOLLOWS
STANDARD PROTOCOLS & IS OTHERWISE SYMPTOM/SUPPORT. OTHER
PRECAUTIONS:PROD USES:LEAVENING AGENT,CLEANER INGRED,BATH SALT INGRED,H2O
SOFTENER,DIAPER RINSE INGRED,FEED ADDITIVE.CHEM CERTIFIED TO ANSI/NSF STD
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60 DRINKING H2O TREAT CHEM-HEALTH EFF.MAX DOSAGE 100MG/L.

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Transportation Data

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Trans Data Review Date: 98014

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

AFI PSN Code: ZZZ

AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

Additional Trans Data: PER MSDS:DOT PROPER SHIPPING NAME:SODIUM

NON-HAZ.

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