

---

## **9501, ACETIC ACID GLACIAL**

### **MSDS Number**

BPDSG

### **National Stock Number**

6810-00N030160

### **Product Name**

9501, ACETIC ACID GLACIAL

### **Manufacturer**

J T BAKER INC

### **Product Identification**

Product ID:9501, ACETIC ACID GLACIAL

MSDS Date:04/19/1990

FSC:6810

NIIN:00N030160

MSDS Number: BPDSG

### **Responsible Party**

J T BAKER INC

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 908-859-2151;800-424-9300(CHEMTREC)

Info Phone: 800-582-2537

Cage: DO803

### **Contractor**

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

### **Ingredients**

ACETIC ACID; (ACETIC ACID, GLACIAL)

CAS: 64-19-7

RTECS: AF1225000

Fraction By Weight: 90-100%

OSHA PEL10 PPM

ACGIH TLV: 10 PPM;15 STEL

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:LD50:(ORAL,RAT)3310 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:INHAL:SEVERE IRRIT/BURNS OF  
RESPIRATORY SYSTEM, PULMONARY EDEMA, LUNG INFLAMMATION, HEADACHE,  
COUGHING, DIFFICULT BREATHING, DIZZINESS, CHEST PAINS, TEETH

DAMAGE, RESPIRATORY FAILURE. SKIN:SEVERE BURNS, MAY CAUSE DERMATITIS. EYE:SEVERE BURNS, PERMANENT DAMAGE. INGEST:BURNS TO MOUTH & THROAT, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:EFTS OF OVEREXP:NAUSEA, VOMITING, GI IRRIT, DIARRHEA, SHOCK, MAY BE FATAL. TARGET ORGANS:RESPIRATORY SYSTEM, EYES, SKIN, TEETH, LUNGS. CHRONIC:LUNG DAMAGE, TEETH DAMAGE.

Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEM DISEASE, SKIN DISORDERS.

## First Aid

First Aid:INGEST:CALL MD. DO NOT INDUCE VOMIT. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE O2. SKIN:IMMED FLUSH W/PLENTY OF WATER FOR @ LST 15 MIN WHILE REMOVING CONTAM CLTHG & SHOES. WASH CLTHG BEFORE RE-USE. EYE:IMMED FLUSH W/PLENTY OF WATER FOR @ LST 15 MIN.

## Fire Fighting

Flash Point Method:CC

Flash Point:103F,39C

Lower Limits:4%

Upper Limits:19.9%

Extinguishing Media:USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL OR CO2. USE CLASS B EXTINGUISHER.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP . MOVE CNTNRS FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. USE WATER TO KEEP FIRE-EXPOSED CNTNRS COOL.

Unusual Fire/Explosion Hazard:VAPS MAY FLOW ALONG SURFS TO DIST IGNIT SOURCES & FLASH BACK. CLSD CNTNRS EXPOSED TO HEAT MAY EXPLODE. CONT W/ STRONG OXIDIZERS MAY CAUSE FIRE. REACTS (SUPDAT)

## Accidental Release

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT CLTHG. SHUT OFF IGNIT SOURCES; NO FLARES/SMOKING/FLAMES IN AREA. STOP LEAK IF YOU CAN DO SO W/OUT RISK. NEUT SPILL W/SODA ASH/LIME. WITH CLEAN SHOVEL, CAREFULLY PLACE MATL INTO CLEAN, DRY CNTNR & COVER.(SUPDAT)

Neutralizing Agent:J.T.BAKER NEUTRASORB(R)/TEAM(R)'LOW NA+' ACID NEUTS ARE FOR SPILLS OF THIS PROD.

## Handling

Handling and Storage Precautions:COMBUSTIBLE! FLAMMABLE! KEEP CNTNR TIGHTLY CLSD. STORE IN COOL, DRY, WELL-VENTED, FLAMM LIQ STOR AREA/CABINET. STORE >17C.

Other Precautions:KEEP AWAY FROM HEAT, SPKS, FLAME. DO NOT GET IN EYES, ON SKIN, ON CLTHG. AVOID BRTHG VAPOR. USE W/ADEQ VENT. KEEP OUT OF REACH OF CHILDREN.

## Exposure Controls

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCS EXCEEDS TLV. AT CONCS UP TO 500 PPM, A NIOSH/MSHA APPRVD CHEM CARTRIDGE RESP W/ACID/ORGANIC CARTRIDGE IS RECOMMENDED. ABOVE THIS LEVEL, A NIOSH/ MSHA APPROVED SCBA IS ADVISED.

Ventilation:USE GENERAL/LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS. VENT HOOD.

Protective Gloves:NEOPRENE GLOVES.

Eye Protection:CHEM WORK GOGG & FULL LGTH FCSHLD.

Other Protective Equipment:UNIFORM, PROTECTIVE SUIT. LAB COAT & APRON. EMERGENCY EYE WASH & DELUGE SHOWER .

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

PH:2.4(1M SOLN).% VOLAT:100@21C.EXPLO HAZ:W/ MOST METALS TO PRDCE HYDROGEN GAS, WHICH CAN FORM EXPLO MIXT W/AIR.MATLS TO AVOID:PEROXIDE, ALKALIES, CARBONATES, STRONG BASES, AMINES, PHOSPHORUS TRICHLOR IDE, PHOSPHORUS PENTACHLORIDE.SPILL PROC:REMOVE FROM SPILL AREA. FLUSH AREA W/H2O.DO NOT ALLOW TO ENTER DRAIN/SEWER

SYS

## Chemical Properties

HCC:F6  
Boiling Pt:B.P. Text:244F,118C  
Melt/Freeze Pt:M.P/F.P Text:62.6F,17.0C  
Vapor Pres:11 @ 20C  
Vapor Density:2.1  
Spec Gravity:1.05 (H2O=1)  
pH:SUPDAT  
Evaporation Rate & Reference:0.97 (BUTYL ACETATE=1)  
Solubility in Water:COMPLETE (100%)  
Appearance and Odor:COLORLESS LIQUID. VINEGAR-LIKE ODOR.  
Percent Volatiles by Volume:SUPDAT

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS, MOST COMMON METALS(EXCEPT ALUMINUM), CHROMIC ACID, NITRIC ACID, SULFURIC ACID, HYDROGEN(SUPDAT)  
Stability Condition to Avoid:HEAT, FLAME, OTHER SOURCES OF IGNITION.  
Hazardous Decomposition Products:CO, CO2.

## Disposal

Waste Disposal Methods:DISPOSE OF I/A/W ALL APPLICABLE FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER:D001, D002 (IGNITABLE, CORROSIVE WASTE).

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.