

## **J375 N,N-DIMETHYLACETAMIDE**

### **MSDS Number**

BQKGD

### **National Stock Number**

6810-00F026876

### **Product Name**

J375 N,N-DIMETHYLACETAMIDE

### **Manufacturer**

J T BAKER INC

### **Product Identification**

Product ID:J375 N,N-DIMETHYLACETAMIDE

MSDS Date:05/01/1989

FSC:6810

NIIN:00F026876

MSDS Number: BQKGD

### **Responsible Party**

J T BAKER INC

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

Emergency Phone: 201-859-2151

Info Phone: 201-859-2151

Cage: DO803

### **Contractor**

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

### **Ingredients**

DIMETHYL ACETAMIDE

CAS: 127-19-5

RTECS: AB7700000

Fraction By Weight: 90-100%

OSHA PEL35 MG/CUM

ACGIH TLV: 36 MG/CUM (SKIN)

### **Hazards**

LD50 LC50 Mixture:ORAL LD50 (RAT): 5000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: COUGHING, CHEST PAINS,  
DIFFICULT BREATHING, UNCONSCIOUSNESS, MUCOUS MEMBRANE IRRITATION.

SKIN: IRRITATION & RAPID ABSORPTION. EYES: IRRITATION. INGESTION:

NAUSEA, VOMITING, HEADACHES, DIZZ INESS, GASTROINTESTINAL

IRRITATION, & CENTRAL NERVOUS SYSTEM DEPRESSION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure: INHALATION: DAMAGE TO LIVER, KIDNEYS, HEART, & CENTRAL NERVOUS SYSTEM DEPRESSION.

## First Aid

First Aid: INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SKIN/EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point Method: CC  
Flash Point: 62C/145F  
Lower Limits: 1.8%  
Upper Limits: 11.5%  
Extinguishing Media: ALCOHOL FOAM, DRY CHEMICAL, CO2  
Fire Fighting Procedures: WATER MAY BE INEFFECTIVE. WEAR PROTECTIVE EQUIPMENT & SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. MOVE CONTAINER FROM AREA/USE WATER TO KEEP COOL.  
Unusual Fire/Explosion Hazard: VAPORS MAY FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES & FLASHBACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. COMBUSTIBLE LIQUID.

## Accidental Release

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. SHUT OFF IGNITION SOURCES (NO FLARES/SMOKING/FLAMES IN AREA). STOP LEAK IF SAFE TO DO SO. USE WATER SPRAY TO REDUCE VAPORS. TAKE UP W/SAND OR OTHER NON-COMBUSTIBLE ABSORBENT & PLACE IN CONTAINER. FLUSH AREA W/WATER.

## Handling

Handling and Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL, DRY, WELL-VENTILATED FLAMMABLE LIQUID STORAGE AREA OR CABINET. DON'T GET IN EYES, ON SKIN OR CLOTHING.  
Other Precautions: AVOID BREATHING VAPORS.

## Exposure Controls

Respiratory Protection: USE SELF-CONTAINED BREATHING APPARATUS WHEN CONCENTRATIONS ARE ABOVE 10 PPM.  
Ventilation: GENERAL OR LOCAL EXHAUST TO MEET TLV REQUIREMENTS.  
Protective Gloves: BUTYL RUBBER  
Eye Protection: SAFETY GOGGLES & FACE SHIELD  
Other Protective Equipment: LAB COAT, APRON, UNIFORM, PROTECTIVE SUIT, VENT HOOD  
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health

## Chemical Properties

Boiling Pt: B.P. Text: 166C/330F  
Melt/Freeze Pt: M.P/F.P Text: -20C/-4F  
Vapor Pres: 2  
Vapor Density: 3  
Spec Gravity: 0.94  
pH: 4.7  
Evaporation Rate & Reference: (BU AC = 1): 0.17  
Solubility in Water: COMPLETE  
Appearance and Odor: CLEAR, COLORLESS LIQUID W/FAINT AMINE ODOR  
Percent Volatiles by Volume: 100

## Stability

Stability Indicator/Materials to Avoid: YES  
STRONG OXIDIZING AGENTS, HALOGENATED HYDROCARBONS  
Stability Condition to Avoid: HEAT, FLAME, & OTHER SOURCES OF IGNITION  
Hazardous Decomposition Products: AMMONIA, AMINES, CO, & CO2

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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