

# Material Safety Data Sheet (MSDS)

Anything you want to know about a chemical.

*Separated into sections:*

- Identification
- Hazardous ingredients
- Physical data
- Fire/explosion data
- Reactivity data
- Health hazard information
- Disposal procedures
- Special protection information
- Special precautions

*All teaching and research labs are required by law to keep MSDS sheets for any chemicals used.*



M A T E R I A L   S A F E T Y   D A T A   S H E E T  
W A T E R

SECTION I - Product Identification

PRODUCT NAME: WATER  
COMPANY NAME: J.T. BAKER INC.  
DATE: 05/01/89  
RTECS:  
CAS #:7732-18-5  
SYNONYMS:

SECTION II - Hazardous Components

N/A

SECTION III - Physical Data

BP: 100 C  
MP: 0 C  
SG: 1.00  
SOLUBILITY: COMPLETE  
APPEARANCE & ODOR: CLEAR, COLORLESS LIQUID, ODORLESS

SECTION IV - Fire and Explosion Hazard Data

FIRE EXTINGUISHING MEDIA:  
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
SPECIAL FIRE-FIGHTING PROCEDURES:  
NDA  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NDA

SECTION V - Health Hazard Data

EFFECTS OF OVER EXPOSURE:  
INHALATION: NDA  
SKIN: NDA  
EYES: NDA  
INGESTION: NDA  
PRIMARY ROUTES OF ENTRY:  
NDA  
FIRST AID PROCEDURES:  
NONE REQUIRED

SECTION VI - Reactivity Data

STABILITY:  
STABLE  
CONDITIONS TO AVOID:  
NONE  
INCOMPATIBLES:  
STRONG REDUCING AGENTS  
ACID CHLORIDES

PHOSPHORUS TRICHLORIDE  
PHOSPHORUS PENTACHLORIDE  
PHOSPHORUS OXYCHLORIDE  
DECOMPOSITION PRODUCTS:  
NDA  
HAZARDOUS POLYMERIZATION:  
WILL NOT OCCUR

SECTION VII - Spill and Disposal Procedures

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE:  
TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR LATER DISPOSAL.  
DISPOSAL PROCEDURE:  
DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION VIII - Protective Equipment

VENTILATION:  
USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.  
RESPIRATORY PROTECTION:  
NONE REQUIRED  
EYE/SKIN PROTECTION:  
NONE REQUIRED

SECTION IX - Storage and Handling Precautions

DO NOT GET IN EYES, SKIN, CLOTHING.  
DO NOT PIPET BY MOUTH.  
KEEP TIGHTLY CLOSED.  
WASH THOROUGHLY AFTER HANDLING.  
SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.  
PROTECT FROM FREEZING

SECTION X - Transportation Data and Additional Information

NDA

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N/A = Not Applicable OR Not Available  
The information published in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.  
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# Hazardous Waste

\*All hazardous waste generated by a business must be stored and disposed of in accordance with EPA regulations.

Some storage/disposal regulations:

- Waste bottles *must be* capped when not in use.
- Waste bottles *must be* stored in secondary containers.
- Waste must be properly labeled:
  - \* “Hazardous waste”
  - \* Contents
  - \* Date of initial accumulation
- Waste may be kept no longer than one year.



# Chemical Hygiene Plan

[www.sandiego.edu/cas/documents/chemistry/chemical\\_hygiene.doc](http://www.sandiego.edu/cas/documents/chemistry/chemical_hygiene.doc)

*Purpose:* “To provide a written document defining the University’s policies & procedures to provide and maintain safety in laboratories where hazardous chemicals are used.”

*In the plan:*

- Emergency preparedness
- Emergency procedures
- Basic first aid
- Standard operating procedures
  - \* lab conduct
  - \* lab attire
- Chemical use
- Hazardous waste
- Safety equipment
- Employee information and training

