



# Material Safety Data Sheet

# U.S. Department of Labor

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

|                                             |                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| IDENTITY <i>(As Used on Label and List)</i> | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## Section I

|                                                            |                                         |
|------------------------------------------------------------|-----------------------------------------|
| Manufacturer's Name                                        | Emergency Telephone Number              |
| Address <i>(Number, Street, City, State, and ZIP Code)</i> | Telephone Number for Information        |
| (Blank space)                                              | Date Prepared                           |
| (Blank space)                                              | Signature of Preparer <i>(optional)</i> |

## Section II - Hazard Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | %(optional) |
|-------------------------------------------------------------------|----------|-----------|--------------------------|-------------|
|                                                                   |          |           |                          |             |
|                                                                   |          |           |                          |             |
|                                                                   |          |           |                          |             |
|                                                                   |          |           |                          |             |
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**Section III - Physical/Chemical Characteristics**

|                         |  |                                         |  |
|-------------------------|--|-----------------------------------------|--|
| Boiling Point           |  | Specific Gravity (H <sub>2</sub> O = 1) |  |
| Vapor Pressure (mm Hg.) |  | Melting Point                           |  |
| Vapor Density (AIR = 1) |  | Evaporation Rate<br>(Butyl Acetate = 1) |  |
| Solubility in Water     |  |                                         |  |
| Appearance and Odor     |  |                                         |  |

**Section IV - Fire and Explosion Hazard Data**

|                                  |                  |     |     |
|----------------------------------|------------------|-----|-----|
| Flash Point (Method Used)        | Flammable Limits | LEL | UEL |
| Extinguishing Media              |                  |     |     |
| Special Fire Fighting Procedures |                  |     |     |

|                                    |
|------------------------------------|
|                                    |
| Unusual Fire and Explosion Hazards |
|                                    |

(Reproduce locally)

OSHA 174, Sept. 1985

### Section V - Reactivity Data

|                                               |                |  |                     |
|-----------------------------------------------|----------------|--|---------------------|
| Stability                                     | Unstable       |  | Conditions to Avoid |
|                                               | Stable         |  |                     |
| Incompatibility ( <i>Materials to Avoid</i> ) |                |  |                     |
| Hazardous Decomposition or Byproducts         |                |  |                     |
| Hazardous Polymerization                      | May Occur      |  | Conditions to Avoid |
|                                               | Will Not Occur |  |                     |

### Section VI - Health Hazard Data

|                                             |             |                  |                 |
|---------------------------------------------|-------------|------------------|-----------------|
| Route(s) of Entry:                          | Inhalation? | Skin?            | Ingestion?      |
| Health Hazards ( <i>Acute and Chronic</i> ) |             |                  |                 |
|                                             |             |                  |                 |
| Carcinogenicity:                            | NTP?        | IARC Monographs? | OSHA Regulated? |
|                                             |             |                  |                 |

Signs and Symptoms of Exposure

Medical Conditions

Generally Aggravated by Exposure

Emergency and First Aid Procedures

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Waste Disposal Method

Precautions to Be taken in Handling and Storing

Other Precautions

## Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

Ventilation

Local Exhaust

Special

Mechanical (*General*)

Other

Protective Gloves

Eye Protection

Other Protective Clothing or Equipment

Work/Hygienic Practices