



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 |
| | Date Prepared |
| | 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

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|-------------------------|--|---|--|
| Boiling Point | | Specific Gravity (H ₂ O = 1) | |
| Vapor Pressure (mm Hg.) | | Melting Point | |
| Vapor Density (AIR = 1) | | Evaporation Rate (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 | | | |

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|------------------------------------|
| |
| 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