

Safety Meeting Repros MSDS

Material Safety Data Sheet

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

U.S. Department of Labor

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

Identity (As Used on Label and List)

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 (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
	Date Prepared
	Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)

Section III—Physical/Chemical Characteristics

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			
Unusual Fire and Explosion Hazards			

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable		

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous	May Occur		Conditions to Avoid
Polymerization	Will Not Occur		

Section VI—Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)

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

Material Safety Data Sheets: Your Lifeline (Sections I-IV)

This hazard communication tool gives details on chemical and physical dangers, safety procedures, and emergency response procedures. Your employer must have one for every chemical and hazardous product in your workplace. It provides additional information which cannot easily be put on the label.

Safety Meeting Repros MSDS Handout 3001-05

Material Safety Data Sheet
 May be used to comply with OSHA's Hazard Communication Standard (29 CFR 1910.1201). Standard may be obtained for appropriate regions only.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Use Mandatory Form)
 Form Approved
 OSHA 309 (Rev. 10-90)

Identify (as Used on Label and SDS)

Section I
 Manufacturer
 Address, Street, Apt./P.O., City, State, and ZIP Code
 Emergency Telephone Number
 Telephone Number for Mailing
 Date Prepared
 Revision (Preparation)

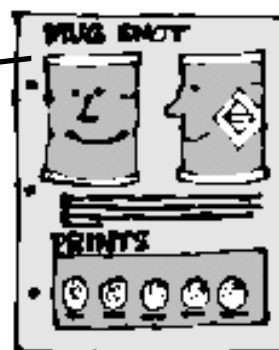
Section II—Hazardous Ingredients and Identifying Information
 Hazardous Ingredients: Chemical Name(s) CAS# ACGIH TLV OSHA PEL Other Health Hazard(s) (Specify)

Section III—Physical and Chemical Characteristics
 Boiling Point Specific Gravity (4/20 °C)
 Vapor Pressure (mm Hg) Melting Point
 Vapor Density (Air = 1) Specific Gravity (Water = 1)
 Quantity in Bulk
 Appearance and Odor

Section IV—Fire and Explosion Hazard Data
 Flash Point (Closed Cup) Lower Flammability Limit
 Upper Flammability Limit
 Special Fire-Fighting Methods
 Recommended Fire-Fighting Equipment
 Special Precautions for Containers

OSHA 309, Sept. 1990 3001-05

The MSDS covers:



I. Identity. Manufacturer name and address and/or supplier information, emergency phone number, and date prepared.

II. Hazardous ingredients. You'll find the substance's hazardous ingredients. Worker exposure limits to the chemical, such as the OSHA PEL, ACGIH TLV, and other recommended limits are also included.



The only time you won't find the specific ingredi-

ents of a chemical is when it's protected as a trade secret. But the MSDS will still tell you about its hazards and the safety measures required.



III. Physical and chemical characteristics.

- Boiling point
- Vapor pressure
- Vapor density
- Melting point
- Evaporation rate
- Water solubility
- Appearance and odor under normal conditions.

IV. Physical hazards such as fire and explosion—and ways to handle those hazards, such as fire fighting equipment and procedures.



Material Safety Data Sheets: Your Lifeline (Sections V-VIII)

V. Reactivity tells you whether the substance is stable. You'll learn which other substances and situations to keep it away from to prevent reaction.

VI. Health hazards. This section will tell you how the chemical could enter the body, for instance:

- Inhaling
- Through the skin
- Swallowing

You'll also learn about all the possible health hazards that could come from exposure. If the chemical is believed to be a carcinogen, that will also be listed.



Safety Meeting Repros MSDS		Handout 2	
Section V—Reactivity Data			
Stability	NOX2A	Classification/Label	
	OX2A		
Section VI—Health Hazard Data			
Health Hazard Categories	Health Hazard	Health Hazard	Health Hazard
Health Hazard Categories	Health Hazard	Health Hazard	Health Hazard
Section VII—Precautionary Statements	Precaution	Precaution	Precaution
Section VIII—Control Measures	Control Measure	Control Measure	Control Measure

VII. Precautions for safe handling and use:

- What to do if the substance spills or leaks
- How to dispose of the substance
- Equipment and procedures needed for cleaning up spills and leaks.

- Plus**
- How to handle the substance properly
 - How to store it
 - Any other precautions

VIII. Control measures to reduce harmful exposure are listed in this section.

You'll find out what type of

- Respirator
- Gloves
- Eye protection
- Protective clothing
- Ventilation to use when handling the particular chemical.

Special work or hygiene practices that should be followed will also be included in Section VIII.

Health hazards also covers signs and symptoms of exposure, such as:

- Eye irritation
- Nausea
- Dizziness
- Skin rashes
- Headache
- Existing medical conditions that could be aggravated by exposure
- Plus emergency and first-aid procedures if an accident happens
- Any other precautions.