


What is a Material Safety Data Sheet (MSDS):

Material Safety Data Sheets (MSDS) are important documents that accompany each chemical during shipment and are also available online. They include important safety information and procedures for handling, storing and disposing of your chemicals. Store all MSDSs in a binder that is organized alphabetically by chemical name. In case of a medical emergency, the binder should be easily accessible to those working in the laboratory. Review the safety information for each chemical before performing experiments.

How to Read a Material Safety Data Sheet:

Everyone working with chemicals in a classroom or laboratory should know how to read an MSDS. Our *NEW* poster "WHAT DOES MSDS MEAN?" is available to display in your work area for quick reference (S47409J1).

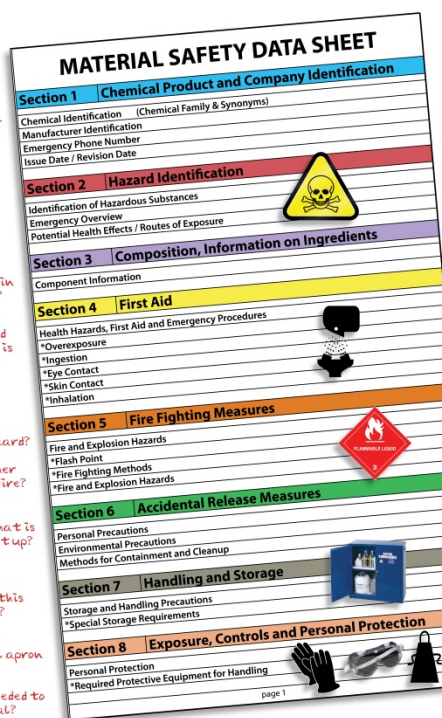


WHAT DOES MSDS MEAN?

Material Safety Data Sheet

Where to find Answers Regarding Proper Use, Handling and Storage of Chemicals

School Nurse Extension:
Main Office Extension:
Poison Control: 1-800-222-1222
Fire Department:



Section 1 Chemical Product and Company Identification
Chemical Identification (Chemical Family & Synonyms)
Manufacturer Identification
Emergency Phone Number
Issue Date / Revision Date

Section 2 Hazard Identification
Identification of Hazardous Substances
Emergency Overview
Potential Health Effects / Routes of Exposure

Section 3 Composition, Information on Ingredients
Component Information

Section 4 First Aid
Health Hazards, First Aid and Emergency Procedures
*Overexposure
*Ingestion
*Eye Contact
*Skin Contact
*Inhalation

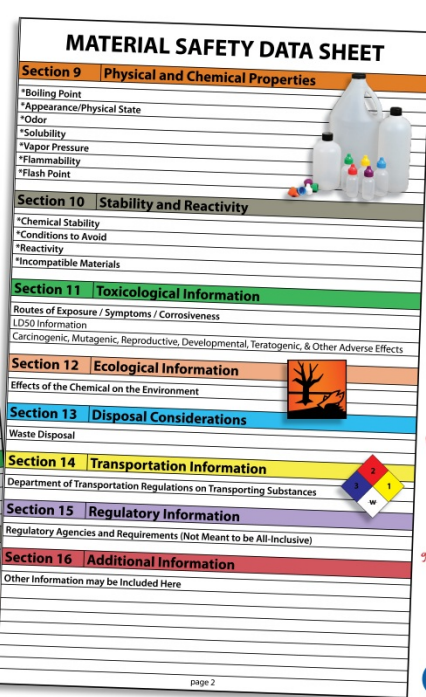
Section 5 Fire Fighting Measures
Fire and Explosion Hazards
*Flash Point
*Fire Fighting Methods
*Fire and Explosion Hazards

Section 6 Accidental Release Measures
Personal Precautions
Environmental Precautions
Methods for Containment and Cleanup

Section 7 Handling and Storage
Storage and Handling Precautions
*Special Storage Requirements

Section 8 Exposure, Controls and Personal Protection
Personal Protection
*Required Protective Equipment for Handling

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Section 9 Physical and Chemical Properties
*Boiling Point
*Appearance/Physical State
*Odor
*Solubility
*Vapor Pressure
*Flammability
*Flash Point

Section 10 Stability and Reactivity
*Chemical Stability
*Conditions to Avoid
*Reactivity
*Incompatible Materials

Section 11 Toxicological Information
Routes of Exposure / Symptoms / Corrosiveness
LD50 Information
Carcinogenic, Mutagenic, Reproductive, Developmental, Teratogenic, & Other Adverse Effects

Section 12 Ecological Information
Effects of the Chemical on the Environment

Section 13 Disposal Considerations
Waste Disposal

Section 14 Transportation Information
Department of Transportation Regulations on Transporting Substances

Section 15 Regulatory Information
Regulatory Agencies and Requirements (Not Meant to be All-Inclusive)

Section 16 Additional Information
Other Information may be Included Here

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Are there other names for this chemical?
Is this MSDS current? (check Revision date)

Does this chemical contain hazardous components?
What procedures should be followed when there is chemical exposure?

Is this chemical a fire hazard?
What kind of extinguisher should be used in case of a fire?

If this chemical spills, what is the proper way to clean it up?


How and where should this chemical be stored?
Should gloves and a vinyl apron be worn?
Is a hood or respirator needed to handle this chemical?

Is this the correct chemical?
What should this chemical look like?

Can these two chemicals be mixed safely?
Are there any hazardous by-products of this chemical that might be a concern?

How should this chemical be disposed of after use?

Is this chemical government regulated?



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