



SAFETY DATA SHEETS



What is the hazardous chemical's SDS?

- The SDS standardizes chemical safety and health information for chemicals produced or used in any country in the world, including the United States.
- The SDS provides safety and health information about chemicals in the workplace.
- An SDS must be available at all times for each chemical in the workplace.
- Chemical manufacturers and importers are responsible for obtaining or developing an SDS for each hazardous chemical they produce and must provide copies with the initial shipment.

The 16 sections of the SDS provide important safety and health information.

- Section 1 Identification – includes product identifier, manufacturer or distributor name, address, phone number, emergency phone number, recommended use, and restrictions on use
- Section 2 Hazard(s) Identification – includes all hazards regarding the chemical and required label elements
- Section 3 Composition/Information on Ingredients – includes information on chemical ingredients and trade secret claims
- Section 4 First - Aid Measures – includes important immediate or delayed symptoms of exposure to a chemical and the required first-aid treatment
- Section 5 Firefighting Measures – lists suitable extinguishing techniques, equipment, and chemical hazards from fire
- Section 6 Accidental Release Measures – lists emergency procedures, protective equipment, and proper methods of containment and cleanup
- Section 7 Handling and Storage – lists precautions for safe handling and storage, including incompatibilities



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- Section 8 Exposure Controls/Personal Protection – lists the Occupational Safety and Health Administration’s (OSHA) permissible exposure limits (PELs), threshold limit values (TLVs), appropriate engineering controls, and personal protective equipment (PPE)
- Section 9 Physical and Chemical Properties – lists the chemical’s characteristics
- Section 10 Stability and Reactivity – lists chemical stability and possible hazardous reactions
- Section 11 Toxicological Information – includes routes of exposure (inhalation, ingestion, or absorption contact), symptoms, acute and chronic effects, and numerical measures of toxicity
- Section 12 Ecological Information – how the chemical might affect the environment and the duration of the effect
- Section 13 Disposal Considerations – describes safe handling of wastes and methods of disposal, including the disposal of any contaminated packaging
- Section 14 Transportation Information – includes packing, marking, and labeling requirements for hazardous chemical shipments
- Section 15 Regulatory Information – indicates regulations that apply to chemical
- Section 16 Other Information – includes date of preparation or last revision

Understand SDS information for the hazardous chemicals you handle.

- Before handling any hazardous chemical, read the SDS to identify hazards and protections.
- If there is anything you don’t understand, ask your supervisor before using the chemical.

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