

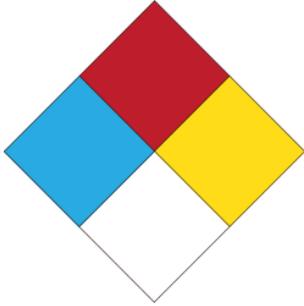
# Safety Data Sheet Guide



Multi-Clean has formatted MSDSs to the new Safety Data Sheet (SDS) according to the UN's Globally Harmonized System of Classification and Labeling of Chemicals (GHS). What industry has historically called a Material Safety Data Sheet, or MSDS, will now be referred to as simply a Safety Data Sheet, or SDS. Along with the new name, the SDSs will have specific requirements for content. SDSs under the Hazcom 2012 regulations are required to follow a 16 section format and include specific information in each section. The required sections are as follows:

1. **Identification**  
Includes product name, manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.
2. **Hazard(s) identification**  
Includes all hazards regarding the chemical and pictograms if required.
3. **Composition/information on ingredients**  
Includes information on chemical ingredients; trade secret claims.
4. **First-aid measures**  
Includes important symptoms/ effects, acute, delayed; required treatment.
5. **Fire-fighting measures**  
Lists suitable extinguishing techniques, equipment; chemical hazards from fire.
6. **Accidental release measures**  
Lists emergency procedures; protective equipment; proper methods of containment and cleanup.
7. **Handling and storage**  
Lists precautions for safe handling and storage, including incompatibilities.
8. **Exposure controls/personal protection**  
Lists OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).
9. **Physical and chemical properties**  
Lists the chemical's characteristics.
10. **Stability and reactivity**  
Lists chemical stability and possibility of hazardous reactions.
11. **Toxicological information**  
Includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.
12. **Ecological information**  
Includes ecotoxicity; persistence and degradability; bioaccumulation potential; mobility in soil.
13. **Disposal considerations**  
Description of wastes and information on their safe handling and methods of disposal.
14. **Transport information**  
Hazardous Materials or Dangerous Goods shipping information according to 49CFR, IATA, etc.
15. **Regulatory information**  
Safety, health and environmental regulations specific to the product.
16. **Other information**  
Includes the date of preparation, last revision date, preparer's name, and phone number.

# Safety Data Sheet Guide



## NFPA System

Blue - health  
Red - flammability  
Yellow – reactivity  
White - other

- 0- No hazard
- 1- Slight hazard
- 2- Moderate hazard
- 3- High hazard
- 4- Extreme hazard

<b>Health</b>	
<b>Flammability</b>	
<b>Physical hazards</b>	

## HMIS System

- 4 = Severe Hazard
- 3 = Serious Hazard
- 2 = Moderate Hazard
- 1 = Slight Hazard
- 0 = Minimal Hazard