



# SAFETY BRIEF

## SAFETY DATA SHEETS

A Safety Data Sheet (SDS) is a standardized document that helps you understand the chemicals you work with, provides information about the potential hazards and explains how to protect yourself. Each SDS has 16 sections:

1. **Identification** identifies chemicals and provides supplier contact information
2. **Hazard Identification** identifies hazards of the chemicals and explains the associated warning information
3. **Composition/Information on Ingredients** explains the hazardous ingredients and the percentages of each ingredient
4. **First-Aid Measures** describes the care that should be given if you or someone else is exposed to the chemical
5. **Fire-Fighting Measures** includes information on the substance's potential for fire and/or explosion and provides recommendations for fighting fire
6. **Accidental Release Measures** outlines clean-up procedures in the event of a spill or release and ways to minimize exposure to people, property and the environment
7. **Handling and Storage** explains safe handling practices and storage procedures, including any information about reactions with other substances
8. **Exposure Controls/Personal Protection** indicates exposure limits, engineering controls and the personal protective equipment that should be worn to reduce your levels of exposure
9. **Physical and Chemical Properties** explains the physical and chemical characteristics such as its appearance, odor, boiling, melting and freezing points, vapor density, vapor pressure and solubility
10. **Stability and Reactivity** discusses the reactivity hazards and describes conditions that could create a hazardous reaction
11. **Toxicological Information** explains toxicological and health effects, including routes of exposure and related symptoms
12. **Ecological Information** evaluates the environmental impacts the chemical would have if released into the environment
13. **Disposal Considerations** explains proper disposal practices, including disposal of any contaminated packaging
14. **Transport Information** explains how the chemical should be shipped or transported from one location to another or disposed of
15. **Regulatory Information** indicates safety, health and environmental regulations specific to the chemical
16. **Other Information** provides information on when the SDS was prepared and last known revisions



Home Office: 717 Mulberry St. | Des Moines, IA 50309 | 800-447-2295 | [www.emcins.com](http://www.emcins.com) |     

Disclaimer: This material is designed and intended for general information purposes only, and is not intended, nor shall be construed or relied upon, as specific legal advice.  
©Copyright Employers Mutual Casualty Company 2017. All rights reserved. RI0337