

## SAFETY, HEALTH, AND ENVIRONMENTAL INFORMATION

### INTRODUCTION

Sulfuric acid is an extremely corrosive material, but it can be handled safely if the proper precautionary measures are observed. This section presents a review of the hazardous properties of sulfuric acid and the precautionary measures which should be followed. It is recommended that all personnel who handle or are potentially exposed to sulfuric acid become familiar with this information. It is also recommended that a qualified safety professional review operations involving the handling of sulfuric acid to ensure that all possible hazards have been eliminated and to ensure that all necessary precautionary measures have been implemented. All applicable Federal/State regulations should be followed.

Unless otherwise indicated, the information in this section applies to both concentrated sulfuric acid and oleum.



### SAFETY CONSIDERATIONS

#### Training

Individuals who handle sulfuric acid should receive training regarding work practices, maintenance procedures, emergency procedures, cleanup methods, and special hazards which are unique to their job. Individuals who may be potentially exposed to sulfuric acid in emergency situations should know how to correctly use respiratory equipment and protective clothing.

#### Hazard Communications

Before any person handles or works near sulfuric acid, they must be trained in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200, also known as the “Right to Know” Law.

#### Hazardous Materials Transportation

Any person involved in the transportation of sulfuric acid must be trained in accordance with DOT Hazardous Materials Employee Training (HM-126F), 49 CFR 172, Subpart H.

#### Precautions

The basic rules for safely handling sulfuric acid are as follows:

- Always avoid direct personal contact with sulfuric acid
- Always wear the required protective equipment
- Always ensure the immediate availability of an adequate water supply
- Always avoid ignition sources
- Always add acid to water, not water to acid

