Sigma-Aldrich®

Strategic Service Solutions™



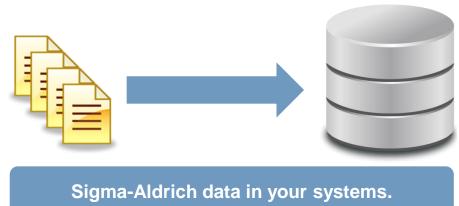
sigma-aldrich.com

Assunta Romano June 2015

Safety and Compliance is the challenge.

Chemical Safety & Regulatory Data (CSRD)

- Includes:
 - Important identifying properties of chemicals
 - Physical properties
 - Safety data similar to Sigma-Aldrich SDS documents and a link to all SDS's
 - Regulatory data from government regulations and standards.
 - New GHS Hazard Class information
 - Transportation data





CSRD >500,000 total unique material numbers, >45,000 unique CAS #s Approximately 18 Million Data Points

Basic Data

Name

Synonyms

Name suffix

CAS#

Molecular formula

SMILES

EINECS#

INDEX#

REACH#

Physical Properties

Melting point

Boiling point

Flash point

Hq

Density

State of matter

Molecular weight

Handling and Storage

Storage remarks

PPE – body, hands, eyes,

respiratory

Fire & explosion protection

Advice on safe handling

Chemical Composition

Chemical composition

Safety Response

First aid: general, eye, skin, ingestion

& inhalation

Signs and symptoms of exposure

Potential health effects: eye, skin

ingestion, inhalation

Transportation (IATA, IMO, ADR)

UN number

Proper shipping name

Primary and secondary hazard classes

Packing group

Stability and Reactivity

Chemical stability

Possibility of hazardous reactions

Materials and conditions to avoid

Additional Properties

Form

Color

Vapor Pressure

Odor

Hazard Communication GHS Labeling Elements (according to Regulation (EC) No 1272/2008)

Hazard symbols

Signal word

Hazard statements

Precautionary statements

Supplemental hazard information

GHS Classification (according to Regulation (EC) No 1272/2008)

Hazard class

Hazard category

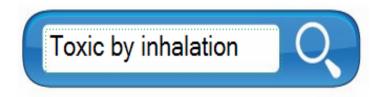
Route of exposure

Hazard statements

Application

1. Search Chemicals by Hazards

Create lists of chemicals sorted by hazard warnings.



Highly flammable. Causes severe burns. Avoid heat/sparks. Wear safety goggles with faceshield.



2. Create Safety Sheets or Labels

To be used as quick reference guides or "in-process" safety warnings.

3. Make Inventory/Storage Decisions

Decide which materials should not be stored in proximity to each other. Know the hazards contained in a laboratory.



Chemical Safety and Regulatory Data

- Sigma-Aldrich data in your systems
- Updated regularly
- Information on both hazard communication and regulatory compliance
- Customizable to meet your needs











SIGMA-ALDRICH EDUCATION

Safe Handling of Air-sensitive Pyrophoric Substances



Two ways to access:

- Sigma-Aldrich's online server:
 - A web application hosted by Sigma-Aldrich for customers without their own learning management system
- Installed in customer's LMS
 - Industry standard format to easily interface with the customers existing learning management system



Comprehensive Content

