








Basic Principles of Safety – Chemicals — (Material) Safety Data Sheet, or (M)SDS

Your Objectives:

At the end of this lesson, you will be able to locate, read the **SDS*** and follow it to the letter.

The following passage was extracted from: “e Chap5_MaterialsMngmnt_06.pdf” — Solothurn DATABASE: Core Skills, Upskilling MFG – NGM”

Dokumente > Upskilling MFG - NGM - Solothurn > Core Skills

 Name ▾	Geändert ▾	Geändert von ▾	
 Filtration	24. Juli	Martina Pappacena (EXTEF	
 a Chap1_ABCs of GMP_06.pdf	15. Juli	Elizabeth Tighe	
 b Chap2_Bio_Primer_06.pdf	15. Juli	Elizabeth Tighe	
 c Chap3_Process Overview_06.pdf	15. Juli	Elizabeth Tighe	
 d Chap4_Proc_Record_Doc_06.pdf	15. Juli	Elizabeth Tighe	
 e Chap5_MaterialsMngmnt_06.pdf	15. Juli	Elizabeth Tighe	

Chemical handling, various tasks that you will be performing in your area, may require the use of different chemicals. What follows outlines some general considerations for handling chemicals. Biogen’s **Environmental Health and Safety** (EHS) department provides more detailed safety training for all employees.

Safety Data Sheets (*SDS, formerly known as MSDS)

Employers are required by law to library copies of the Safety Data Sheet (SDS) as (official) reference to any hazardous chemicals which may be associated with any relevant job position. The SDS typically contains **16 sections**. Among them are the following topics:

- substance identification
- hazardous ingredients
- fire and explosion data
- health hazards
- proper storage
- reactivity information
- spill procedures
- PPE specifications
- precautions
- first aid procedures
- etc.

IMPORTANT: Always review the relevant section of the SDS prior to handling potentially hazardous chemicals of any kind and follow the safety rules to the letter.

A specimen of MSDS for ethanol (alcohol)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Revision Date 19.03.2020

Version 20.12

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Catalogue No.	100980
Product name	Ethanol for spectroscopy Uvasol®
REACH Registration Number	01-2119457610-43-XXXX
CAS-No.	64-17-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Reagent for analysis In compliance with the conditions described in the annex to this safety data sheet.
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1.3 Details of the supplier of the safety data sheet

Company	Merck KGaA * 64271 Darmstadt * Germany * Phone: +49 6151 72-0
Responsible Department	LS-QHC * e-mail: prodsafe@merckgroup.com

1.4 Emergency telephone number

Please contact the regional company representation in your country.

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquid, Category 2, H225

Eye irritation, Category 2, H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Further information on the Federal webpage:

<https://www.anmeldestelle.admin.ch/chem/en/home/themen/pflicht-hersteller/selbstkontrolle/sicherheitsdatenblatt-sdb.html>

Free access to (M)SDS online: <https://www.msdsonline.com/sds-search/>

SDS Overview (see video): <https://www.msdsonline.com/resources/sds-resources/sds/>