

## Checklist for EU Safety Data Sheets

Regulations Relevant to Safety Data Sheets for EU:

**Directive 67/548** requires in Art. 27 that any manufacturer, importer or distributor shall communicate to the recipient a safety data sheet.

**Directive 1999/45/EC** requires in Art. 14 that the person responsible for placing on the market a preparation within the meaning of Article 1(2) provides a safety data sheet; also, a SDS must be provided on request for preparations not classified by Article 1(2) but which contain  $\geq 1\%$  by weight of a component classified as hazardous (0,2% by weight for gaseous preps). (NOTE: Directive 1999/45/EC repealed Directive **88/379/EEC** as amended by **90/492/EEC**)

Safety Data Sheets must support Manufacturers in making the hazard assessments and taking measures to prevent risks in accordance with **Directive 1998/24/EEC** for protection of workers from risks due to chemicals; however, this directive makes no specific provisions for SDS content.

Other regulations may apply for special cases such as products which are used for purposes such as: Cleaner/Detergent, Biocide, Food, Food contact, Medical, Pharmaceutical, Water contact, Cosmetics, Toys, Consumer applications, Plant Protection Product or under Control of Pesticides Regulations or in other cases.

Directive **1999/155/EC** specifies the requirements for Safety Data Sheets for both Substances and Preparations. A Checklist of these requirements follows:

- Classification in accordance with 67/548/EEC or 1999/45/EC as applicable**
- Obligatory Headers are Used:**
  1. identification of the substance/preparation and of the company/undertaking;
  2. composition/information on ingredients;
  3. hazards identification;
  4. first-aid measures;
  5. fire-fighting measures;
  6. accidental release measures;
  7. handling and storage;
  8. exposure controls/personal protection;
  9. physical and chemical properties;
  10. stability and reactivity;
  11. toxicological information;
  12. ecological information;
  13. disposal considerations;
  14. transport information;
  15. regulatory information;
  16. other information.
- Date of issue on first page**

**1. identification of the substance/preparation and of the company/undertaking;**

- Name matches label = from Annex I of 67/548/EC if a pure substance
- Use is indicated
- Identify company responsible for placing on the market: full address, telephone
- Where company responsible is not EU based, give an EU based contact: full address, telephone
- Supply an emergency telephone number

**2. composition/information on ingredients;**

- Identify all components over the lower threshold in defaults or Annex I (or over 1%/.2% if prep is non-hazardous)
- Identify all components with Community exposure limits (over 1%/.2% if prep is non-hazardous)
- Classification and Rcodes of components
- EINECS or ELINCS number for substances
- Chemical nature and generic name of components claimed confidential under Art 15 of 99/45/EC

**3. hazards identification;**

- Indicate classification of preparation/substance
- Clearly indicate if dangerous acc. To 1999/45/EC or not
- Describe most important hazards
- Describe additional hazards which do not result in classification but contribute to overall hazards

**4. first-aid measures;**

- Specify whether immediate medical attention required
- First Aid by route of exposure; brief, understandable first aid; list of symptoms and effects
- Indicate whether professional medical attention is needed or advisable
- Emphasize if special means of treatment must be provided in the workplace

**5. fire-fighting measures;**

Suitable extinguishing media

- Extinguishing media which should not be used
- Special exposure hazards from the preparation/substance or products of combustion
- special protective equipment for firefighters

**6. accidental release measures;**

- personal precautions, eg remove ignition sources, ventilation/respiratory protection, dust control, prevention of exposure
- environmental precautions, eg keep away from drains, surface- and ground-water or soil, need to alert neighbors
- methods for clean-up, incl. Type of absorbent material, suppression of fumes, dilution
- Incompatibility considerations.

**7. handling and storage;**

- Handling: Information to assist the employer in preventing risks
- Storage: Information to assist the employer in preventing risks
- Specific uses: reference to industry or sector approved guidance if applicable

**8. exposure controls/personal protection;**

- exposure limit values: OELS, BLVs
- exposure controls: engineering measures
- exposure controls: PPE respiratory
- exposure controls: PPE eyes

- exposure controls: PPE skin/body
- exposure controls: PPE hand protection specifying glove material type and breakthrough
- Hygiene measures
- Environmental exposure control

**9. physical and chemical properties;**

- General: appearance, odor
- SHE relevant: pH, bp/range, fp, flammability (solid/gas), explosive properties, oxidizing properties, vp, rel. Density, solubility in water, solubility in fat/oil (specify), n-octanol/water partition coefficient, viscosity, vapor density, evaporation rate
- Other information

**10. stability and reactivity;**

- Stability
- Materials to avoid
- Conditions to avoid
- Hazardous decomposition products

**11. toxicological information;**

- Acute toxicity (by route of exposure if relevant)
- Chronic toxicity (with effects if relevant, eg sensitization, narcosis, CMR, target organ effects)

**12. ecological information;**

- Ecotoxicity
- Mobility
- Persistence and degradability
- Bioaccumulative potential
- Other adverse effects

**13. disposal considerations;**

- Disposal of substance
- Disposal of contaminated packaging
- Reference to or reminder of national or regional provisions regulating waste

**14. transport information;**

- UN Number, class, PSN, PG, marine pollutant, other for each mode of transport (IMDG-sea, ADR-EURoad, RID-EURail, ICAO/IATA-air)

**15. regulatory information;**

- SHE Labeling information
- Restrictions or authorizations (eg 76/769/EEC)
- National measures if applicable

**16. other information.**

- Full text of Rcodes referenced in composition/information on ingredients or hazards identification
- Training advice
- Supplier's recommended restrictions on use (non-statutory)
- Other information
- Key sources
- Indication of where data is added, deleted or revised if applicable