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 (NOTE: Directive 1999/45/EC repealed Directive 88/379/EEC as amended by 90/492/EEC)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 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
- Persistance 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