نموذج لصحائف السلامة الكيميائية(SDS) حسب معايير GHS

1	**Identification of the substance or mixture and of the supplier/manufacturer**	• GHS product identifier. • Other means of identification (e.g. scientific/chemical name, Synonyms) • Recommended use of the chemical and restrictions on use. • Supplier's/manufacturer's details (including name, address, phone number, etc.). • Emergency phone number.
2	**Hazards identification**	• GHS classification of the substance/mixture and any national or regional information (see annex.2) • GHS label elements, including precautionary statements and Hazard Pictogram. (Hazard symbols may be provided as a graphical reproduction of the symbols in black and white or the name of the symbol, e.g., flame, skull and crossbones.) • Other hazards which do not result in classification (e.g., dust explosion hazard) or are not covered by the GHS.
3	**Composition/information on ingredients**	**Substance** • Chemical identity. • Common name, synonyms, etc. • CAS number, EC number, etc. • Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance. **Mixture** • The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cutoff levels. ***NOTE**: For information on ingredients, the competent authority rules for CBI[1] take priority over the rules for product identification.*
4	**First aid measures**	• Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion. • Most important symptoms/effects, acute and delayed. • Indication of immediate medical attention and special treatment needed, if necessary.
5	**Firefighting measures**	• Suitable (and unsuitable) extinguishing media. • Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).

[1] *CBI: Confidential Business Information.*

		• Special protect
6	**Accidental release measures**	• Personal precautions, protective equipment and emergency procedures. • Environmental precautions. • Methods and materials for containment and cleaning up.
7	**Handling and storage**	• Precautions for safe handling. • Conditions for safe storage, including any incompatibilities.
8	**Exposure controls/personal protection.**	• Control parameters, e.g., occupational exposure limit values or biological limit values. • Appropriate engineering controls. • Individual protection measures, such as personal protective equipment.
9	**Physical and chemical properties**	• Appearance (physical state, color, etc.). • Odor. • Odor threshold. • pH. • melting point/freezing point. • initial boiling point and boiling range. • flash point. • evaporation rate. • flammability (solid, gas). • upper/lower flammability or explosive limits. • vapor pressure. • vapor density. • relative density. • solubility(ies). • partition coefficient: n-octanol/water. • autoignition temperature. • decomposition temperature.
10	**Stability and reactivity**	• Chemical stability. • Possibility of hazardous reactions. • Conditions to avoid (e.g., static discharge, shock or vibration). • Incompatible materials. • Hazardous decomposition products.
11	**Toxicological information**	Concise but complete and comprehensible description of the various toxicological (health) effects and the available data used to identify those effects, including: • information on the likely routes of exposure (inhalation, ingestion, skin and eye contact); • Symptoms related to the physical, chemical and toxicological characteristics; • Delayed and immediate effects and also chronic effects from short- and long-term exposure;

		• Numerical measures of toxicity (such as acute toxicity estimates).
12	**Ecological information**	• Ecotoxicity (aquatic and terrestrial, where available). • Persistence and degradability. • Bioaccumulative potential. • Mobility in soil. • Other adverse effects.
13	**Disposal considerations**	• Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.
14	**Transport information**	• UN Number. • UN Proper shipping name. • Transport Hazard class(es). • Packing group, if applicable. • Marine pollutant (Yes/No). • Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises.
15	**Regulatory information**	• Safety, health and environmental regulations specific for the product in question.
16	**Other information including information on preparation and revision of the SDS**	