

Attachment 4: Content and Template for Safety Data Sheet

1. Identification of the chemicals and of the business entity

Chemicals Name:
Other Names:
Recommended use and restrictions on use:
Names, addresses, and phone numbers of manufacturer, importer or supplier:
Emergency contact phone numbers/fax numbers:

2. Hazard(s) identification

Chemicals hazard classification:
Label content:
Other hazards:

3. Composition/information on ingredients

Pure material:

Chinese and English name:
Synonyms:
Chemical Abstract Service No. (CAS No.):
Hazardous ingredients (% of the content):

Mixtures:

Chemical properties:		
Chinese and English names of the hazardous ingredients	Chemical Abstract Service No. (CAS No.):	Concentration or concentration ranges (ingredient percentage)

4. First-aid measures

First aid measures for different exposure routes: inhalation: skin contact: eye contact: ingestion:
Most important symptoms and hazardous effects:
Protection for first-aid providers:

Notes to physicians:

5. Firefighting measures

Suitable fire extinguishing media:

Specific hazards regarding firefighting measures:

Specific methods regarding firefighting measure:

Special protective equipment and precautions for firefighters:

6. Accidental release measures

Personal precautions:

Environmental precautions:

Methods for cleaning up:

7. Handling and storage

Handling:

Storage:

8. Exposure controls/personal protection

Engineering control:

Control parameters:
8-hour time weighted average exposure limits/Short-term exposure limits/Maximum exposure limits

Biological standards:

Personal protective equipment:

Respiratory protection:

Hand protection:

Eye protection:

Skin and body protection:

Hygiene measures:

9. Physical and chemical properties:

Appearance (physical state, color, etc.)	Odor:
Odor threshold:	Melting point:
pH value:	Boiling point/boiling point range:
Flammability (solid, gas)	Flash point: °F °C
Decomposition temperature:	Test method: (<u>Open cup or closed cup</u>)
Auto-ignition temperature:	Explosion limits:

Vapor pressure:	Vapor density:
Density:	Solubility:
Partition coefficient (n-octanol/water, logKow):	Evaporation rate

10. Stability and reactivity

Stability:
Possible hazardous reactions under specific conditions:
Conditions to avoid:
Materials to avoid:
Hazardous decomposition products:

11. Toxicological information

Routes of exposure:
Symptoms:
Acute toxicity:
Chronic toxicity or long-term toxicity:

12. Ecological information:

Ecotoxicity:
Persistence and degradability:
Bioaccumulative potential:
Mobility in soil:
Other adverse effects:

13. Disposal considerations

Methods of waste disposal:

14. Transport information

United Nations number (UN No):
UN Proper shipping name:
Transport hazard class(es):
Packing group:
Marine pollutant (Yes/No):
Specific transport measures and precautionary conditions:

15. Regulatory information

Applicable regulations:

16. Other information

Literature references		
Organization that prepared the SDS	Name:	
	Address/telephone number:	
Person who prepared the SDS	Title:	Name (signature):
Date that the SDS was prepared:		

Items that should be listed in the Safety Data Sheet:

1. Identification of the chemicals and of the business entity:
chemicals name, other names, recommended use and restrictions on use, names, addresses, and phone numbers of manufacturer, importer or supplier, emergency contact phone numbers/fax numbers
2. Hazard(s) identification:
label content, other hazards, chemicals hazard class
3. Composition/information on ingredients:
Pure material: Chinese and English name, synonyms, Chemical Abstract Service number (CAS No.), the hazardous ingredient (% of the content)
Mixtures: chemical properties, Chinese and English names of the hazardous ingredients, **Chemical Abstract Service number (CAS No.)**, concentration or concentration ranges (ingredient percentage)
If the hazardous ingredients do not have a CAS No., its item may be exempted.
4. First-aid measures:
First aid measures for different exposure routes; Most important symptoms and hazardous effects; Protection of for first-aid providers; Notes to physicians
5. Firefighting measures:
Suitable fire extinguishing media; Specific hazards regarding firefighting measures ; Specific methods regarding firefighting measure; Special protective equipment and precautions for firefighters:
6. Accidental release measures:
personal precautions, environmental precautions, methods for cleaning up
7. Handling and storage:
handling, storage

8. Exposure controls/personal protection:
engineering control, control parameters, personal protective equipment, hygiene measures
9. Physical and chemical properties:
appearance (physical state, color), odor, odor threshold, pH value, melting point, boiling point/boiling point range, flammability (solid, gas), decomposition temperature, flash point, auto-ignition temperature, explosion limits, vapor pressure, vapor density, density, solubility, partition coefficient (n-octanol/water, log Kow), evaporation rate
10. Stability and reactivity:
stability, possible hazardous reactions under specific conditions, materials to avoid, hazardous decomposition products
11. Toxicological information:
routes of exposure, symptoms, acute toxicity, chronic toxicity or long-term toxicity
12. Ecological information:
ecotoxicity, persistence and degradability, bioaccumulative potential, mobility in soil, other adverse effects
13. Disposal considerations:
methods of waste disposal
14. Transport information:
United Nations number (UN No), UN Proper shipping name, transport hazard class(es), packing group, marine pollutant (yes/no), specific transport measures and precautionary conditions
15. Regulatory information:
applicable regulations
16. Other information:
literature references, organization that prepared the SDS, person who prepared the SDS, date that the SDS was prepared