



KEEP CALM and USE ESSA

Express SDS Self-Assessment (ESSA)
Semakan Kendiri SDS Ekspres



DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH (DOSH)
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Pre Check Criteria	Yes	No
A. Language - SDS is prepare in English and Bahasa Melayu		
B. Information are arrange in a format specified under Reg. 13(2) CLASS Regulations: Headings are as below: 1. Identification of the hazardous chemical and of the supplier 2. Hazard identification 3. Composition and information of the ingredients of the hazardous chemical 4. First-aid measures 5. Fire-fighting measures 6. Accidental release measures 7. Handling and storage 8. Exposure controls and personal protection 9. Physical and chemical properties 10. Stability and reactivity 11. Toxicological information 12. Ecological information 13. Disposal information 14. Transportation information 15. Regulatory information 16. Other information		
C. SDS is revise/update not more than 5 years since the last date of preparation or revision.		

How to Use:

- ◆ Checking can be done to your SDS by using the checklist attached.
- ◆ Mark ✓ or X in column 1. SDS is compliant for the specific section if there is no X in column 1.
- ◆ Any section which is non-compliant would result in SDS not complying the requirements of CLASS Regulations and ICOP CHC.

Minimum Informations	✓ or X	Comply	Not Comply
1. Identification of the hazardous chemical and of the supplier (ICOP CHC 3.7.1)			
(a) Product identifier			
(b) Other means of identification			
(c) Recommended use of the chemical and restrictions on use			
(d) Details of principal suppliers (including name, address, phone number, etc)			
(e) Emergency phone number			
2. Hazard identification (ICOP CHC 3.7.2)			
(a) Classification of the substance/mixture and any nation or regional information			
(b) Label elements (hazard pictogram or symbol, signal word, hazard statement and precautionary statements). Hazard symbols may be provided as a graphical reproduction of the symbols in black and white or name of the symbols e.g. 'flame', 'skull and crossbones'			
(c) Other hazards which do not result in classification (e.g. dust explosion hazard) or are not covered by the Regulations			
3. Composition and information of the ingredients of the hazardous chemical (ICOP CHC 3.7.3)			
Substance			
(a) Chemical identity			
(b) Common name, synonyms, etc			
(c) CAS number and other unique identifiers			
(d) Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance			
Mixture			
(a) Chemical identity of all ingredients which are hazardous and are present at or above cut-off value			
(b) Concentration or concentration ranges of all ingredients which are hazardous and are present at or above cut-off value			




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Minimum Information	ICOP	✓ or X	Comply	Not Comply
4. First-aid measures (ICOP CHC 3.7.4)				
(a) Description of necessary measures, subdivided according to the different routes of exposure, i.e. inhalation, skin and eye contact and ingestion				
(b) Most important symptoms/effects, acute and delayed				
(c) Indication of immediate medical attention and special treatment needed, if necessary				
5. Fire-fighting measures (ICOP CHC 3.7.5)				
(a) Suitable (and unsuitable) extinguishing media				
(b) Specific hazards arising from the chemical (e.g. nature of any combustion hazardous products)				
(c) Special protective equipment and precautions for fire-fighters				
6. Accidental release measures (ICOP CHC 3.7.6)				
(a) Personal precautions, protective equipment and emergency procedures				
(b) Environmental precautions				
(c) Methods and material for containment and cleaning				
7. Handling and storage (ICOP CHC 3.7.7)				
(a) Precautions for safe handling				
(b) Conditions for safe storage, including any incompatibilities				
8. Exposure controls and personal protection (ICOP CHC 3.7.8)				
(a) Control parameters e.g. permissible exposure limit and biological limit values				
(b) Appropriate engineering controls				
(c) Individual protection measures, such as personal protective equipment				
9. Physical and chemical properties (ICOP CHC 3.7.9)				
(a) Appearance (physical state, colour, etc.)				
(b) Odour				
(c) Odour threshold				
(d) pH				
(e) Melting point/freezing point				
(f) Initial boiling point & boiling range				
(g) Flash point				
(h) Evaporation rate				
(i) Flammability (solid, gas)				
(j) Upper/Lower flammability/explosive limits				
(k) Vapour pressure				
(l) Vapour density				
(m) Relative density				
(n) Solubility(ies)				
(o) Partition coefficient : n-octanol/water				
(p) Auto-ignition temperature				
(q) Decomposition temperature				
(r) Viscosity				
10. Stability and reactivity (ICOP CHC 3.7.10)				
(a) Reactivity				
(b) Chemical stability				
(c) Possibility of hazardous reactions				
(d) Condition to avoid (e.g. static discharge, shock or vibration)				
(e) Incompatible materials				
(f) Hazardous decomposition products				
11. Toxicological information (ICOP CHC 3.7.11)				
Concise but complete and comprehensible description of the various toxicological (health) effects and the available data used to identify those effects, including				
(a) Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)				
(b) Symptoms related to the physical, chemical and toxicological characteristics				
(c) Delayed and immediate effects and also chronic affects from short and long term exposure				
(d) Numerical measures of toxicity (such as acute toxicity estimates)				
12. Ecological information (ICOP CHC 3.7.12)				
(a) Ecotoxicity (aquatic and terrestrial, where available)				
(b) Persistence and degradability				
(c) Bioaccumulative potential				
(d) Mobility in soil				
(e) Other adverse effects				
13. Disposal information (ICOP CHC 3.7.13)				
Description of waste residues and information on their safe handling and method of disposal, including the disposal of any contaminated packaging				
14. Transportation information (ICOP CHC 3.7.14)				
(a) UN number				
(b) UN proper shipping name				
(c) Transport hazard class(es)				
(d) Packing group, if applicable;				
(e) Environmental hazards (e.g. marine pollutant (Yes/No));				
(f) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code));				
(g) Special precautions which a user needs to be aware of, or needs to comply with, in connection either within or outside their premises				
15. Regulatory information (ICOP CHC 3.7.15)				
Safety, health and environmental regulations specific for the product in question				
16. Other information (ICOP CHC 3.7.16)				
(a) Date of preparation of the SDS				
(b) Date of revision of the SDS				
(c) Key literature references and sources for data used to compile the SDS				
(d) Key/legend to the abbreviations and acronyms used in the SDS				
(e) Other information deems necessary by a supplier				