

**A: PROPERTIES**

1. Category
  - **SW206**
2. Origin
  - Laboratory experiment or testing
3. Physical Properties of Waste
  - Flash Point *°C – non-flammable*
  - Boiling Point *-85 °C – 337 °C*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *Yes*
  - Solubility in water *Yes*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles, and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas and well-ventilated areas.*
3. Appropriate label *Toxic, corrosive.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Use fire extinguisher foam, carbon dioxide (CO<sub>2</sub>), dry Powder.*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**A: PROPERTIES**

1. Category
  - **SW301**
2. Origin
  - Laboratory experiment or testing
3. Physical Properties of Waste
  - Flash Point *-40 °C – 40 °C*
  - Boiling Point *20 °C – 100 °C*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *Yes*
  - Solubility in water *Yes*
  - Waste lighter/heavier than water *Less heavy*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles, and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic, corrosive, flammable.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower Dizziness, vomiting.*
  - Appropriate first aid. *Wash with clean running water.*
  - Guidelines for the physician *Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil , road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Use fire extinguisher foam, carbon dioxide (CO<sub>2</sub>), dry Powder.*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA





**A: PROPERTIES**

1. Category
  - **SW323**
2. Origin
  - Laboratory experiment or testing
3. Physical Properties of Waste
  - Flash Point *°C – non-flammable*
  - Boiling Point *30 °C – 100 °C*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *Yes*
  - Solubility in water *No*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic, harmful to health.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block waterway and contain spilled materials.*
3. Fire *Use fire extinguisher foam, carbon dioxide (CO<sub>2</sub>), dry powder.*
4. Explosion *Waste has no potential of self-explosion.*

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Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**SW402 – SPENT ALKALIS WITH MORE OR EQUAL  
TO 11.5 WHICH ARE CORROSIVE OR HAZARDOUS**
**A: PROPERTIES**

1. Category
  - **SW402**
2. Origin
  - Laboratory work
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *°C – not available*
  - Consistency in the room temperature *Liquid/Solid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic, corrosive.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Use fire extinguisher foam, carbon dioxide (CO<sub>2</sub>), dry powder.*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**A: PROPERTIES**

1. Category
  - **SW409**
2. Origin
  - Laboratory work
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *°C – not available*
  - Consistency in the room temperature *Liquid/Solid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water. Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials*
3. Fire *Use fire extinguisher foam, carbon dioxide (CO<sub>2</sub>), dry powder.*
4. Explosion *Waste has no potential of self-explosion.*

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Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**A: PROPERTIES**

1. Category
  - **SW421**
2. Origin
  - Chemicals that which were mixed during experiment in laboratory
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *°C – not available*
  - Consistency in the room temperature *Liquid/Solid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic, corrosive, harmful, flammable, oxidizing*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil , road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials*
3. Fire *Use fire extinguisher type dust, foam and carbon dioxide (CO<sub>2</sub>) only.*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA



**A: PROPERTIES**

1. Category
  - **SW430**
2. Origin
  - Laboratory work
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *°C – not available*
  - Consistency in the room temperature *Liquid/Solid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas well-ventilated areas.*
3. Appropriate label *Toxic, corrosive, harmful to health, flammable, oxidizing.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water. Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil , road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Use fire extinguisher type dust, foam and CO<sub>2</sub> only.*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**A: PROPERTIES**

1. Category
  - **SW430**
2. Origin
  - Laboratory work
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *°C – not available*
  - Consistency in the room temperature *Liquid/Solid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Rubber gloves, safety goggles and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *Toxic, corrosive, harmful, flammable, oxidizing.*
4. Recommended method of disposal *Recycle or incineration.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Dizziness, vomiting.*
  - Appropriate first aid *Keep airways free. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water and seek medical help.*
  - Symptoms of intoxication *For skin contact: take off immediately all contaminated clothing. Rinse skin with water/shower.*
  - Appropriate first aid. *Dizziness, vomiting.*
  - Guidelines for the physician *Wash with clean running water.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Use fire extinguisher type dust, foam and CO<sub>2</sub> only.*
4. Explosion *Waste has no potential of self-explosion.*

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Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA



**A: PROPERTIES**

1. Category
  - **SW109**
2. Origin
  - Thermometer spillage
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *356.72 °C*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Protective gloves, eyeglasses, or chemical safety goggles, approved respirator if exposure limits are exceeded and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Use only under a chemical fume hood. Keep containers tightly closed in a dry, cool and well-ventilated area.*
3. Appropriate label *Toxic, harmful to health.*
4. Recommended method of disposal *Must consult local, regional and national hazardous waste regulations.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Coughing, sore throat, chest pain, difficulty breathing, vomiting, headache.*
  - Appropriate first aid *Keep airways free. Drink plenty of water. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water at least 15 minutes and seek medical help.*
  - Symptoms of intoxication *For skin contact: wash off immediately with soap and plenty of water while removing all contaminated cloth and shoes. Immediate seek medical help. Tremor, emotional changes, headache, weakness, muscle atrophy, twitching.*
  - Appropriate first aid *Wash with clean running water, drink plenty of water.*
  - Guidelines for the physician *Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*
3. Fire *Substance is nonflammable, use agent most appropriate to extinguish surrounding fire*
4. Explosion *Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**SEVENTH SCHEDULED  
(Regulation 13)  
INFORMATION  
SW110 – WASTE FROM ELECTRICAL  
OR ELECTRONIC ASSEMBLIES  
CONTAINING COMPONENT SUCH AS  
ACCUMULATORS, MERCURY ETC**

**A: PROPERTIES**

1. Category
  - **SW110**
2. Origin
  - Electrical or electronic component assemblies containing component such as accumulators, mercury etc.
3. Physical Properties of Waste
  - Flash Point *°C – not available*
  - Boiling Point *356.72 °C*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *No*
  - Solubility in water *Not soluble*
  - Waste lighter/heavier than water *Mostly heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *No*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Protective gloves, eyeglasses or chemical safety goggles, approved respirator if exposure limits are exceeded and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Use only under a chemical fume hood. Keep containers tightly closed in dry, cool and well-ventilated areas.*
3. Appropriate label *Toxic, harmful to health.*
4. Recommended method of disposal *Must consult local, regional and national hazardous waste regulations.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air.*
  - Symptoms of intoxication *Coughing, sore throat, chest pain, difficulty breathing, vomiting, headache.*
  - Appropriate first aid *Keep airways free. Drink plenty of water. Call a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: rinse with plenty of water for at least 15 minutes and seek medical help.*
  - Symptoms of intoxication *For skin contact: wash off immediately with soap and plenty of water while removing all contaminated cloth and shoes. Immediate seek medical help.*
  - Appropriate first aid. *Tremor, emotional changes, headache, weakness, muscle atrophy, twitching.*
  - Guidelines for the physician *Wash with clean running water, drink plenty of water. Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil, road, etc *Contain spill using spill kit materials.*
2. Spill into water *Block water way and contain spills materials.*

3. Fire
4. Explosion

*Substance is nonflammable, use agent most appropriate to extinguish surrounding fire  
Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**SEVENTH SCHEDULED  
(Regulation 13)  
INFORMATION**

**SW319 – WASTE OF PHENOLS OR  
PHENOL COMPOUNDS INCLUDING  
CHLOROPHENOL IN THE FORM OF  
LIQUIDS OR SLUDGES**

**A: PROPERTIES**

1. Category
  - **SW319**
2. Origin
  - Laboratory experiment or testing
3. Physical Properties of Waste
  - Flash Point *79°C – closed cup*
  - Boiling Point *182 °C - lit*
  - Consistency in the room temperature *Liquid*
  - Vapors heavier than air *Yes*
  - Solubility in water *Soluble*
  - Waste lighter/heavier than water *Less heavier*
4. Risks
  - by inhalation *Yes*
  - by oral intake *Yes*
  - by dermal contact *Yes*

**B: HANDLING OF WASTE**

1. Personal protection equipment *Protective gloves, eyeglasses or chemical safety goggles, approved respirator if exposure limits are exceeded and safety boots to prevent contact with the skin.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Use only under a chemical fume hood or use a full face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridge as a backup to engineering controls. Handle with gloves (butyl rubber), face shield and eye protection. Keep containers tightly closed in dry and well-ventilated areas. Light sensitive, stored under inert gas and air sensitive.*
3. Appropriate label *Toxic, corrosive and harmful to health.*
4. Recommended method of disposal *Must consult local, regional and national hazardous waste regulations.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician. Immediately call a POISON CENTER or a doctor/physician.*
  - Symptoms of intoxication *Cough, whizzing, laryngitis, shortness of breath, headache, nausea, vomiting.*
  - Appropriate first aid *Keep airways free. If not breathing, give artificial respiration.*
  - Guidelines for the physicians *Consult a physician immediately. Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.*  
  
*For skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.*



- Symptoms of intoxication      *Caused severe skin burn and eye damage.*
- Appropriate first aid.          *Wash with clean running water.*
- Guidelines for the physician      *Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

- |                                     |   |
|-------------------------------------|---|
| 1. Spill on floor, soil , road, etc | <i>Contain spill using spill kit materials.</i>   |
| 2. Spill into water                 | <i>Block water way and contain spills materials</i>   |
| 3. Fire                             | <i>Substance is nonflammable but incompatible with strong oxidizing agents, strong acids and strong bases</i> |
| 4. Explosion                        | <i>Waste has no potential of self-explosion.</i>  |

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Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA

**A: PROPERTIES**

1. Category
  - **SW305**
2. Origin
  - Laboratory equipment.
3. Physical Properties of Waste
  - Flash Point >234°C
  - Boiling Point > 316°C (estimated)
  - Consistency in the room temperature Liquid
  - Vapors heavier than air Yes
  - Solubility in water Negligible
  - Waste lighter/heavier than water Less heavier
4. Risks
  - by inhalation Yes
  - by oral intake Yes
  - by dermal contact Yes

**B: HANDLING OF WASTE**

1. Personal protection equipment *Safety shoes, overalls, gloves and safety glasses.*
2. Procedures/Precautions in handling, packaging, transporting and storage *Performed in open areas or well-ventilated areas.*
3. Appropriate label *No significant hazards.*
4. Recommended method of disposal *Must consult local, regional and national hazardous waste regulation.*

**C: PRECAUTION IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING PERSONAL INJURY**

1. In case of inhalation of fumes or oral intake *Take out for fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Consult a physician.*
  - Symptoms of intoxication *Not determined.*
  - Appropriate first aid *Removes from further exposure. Consult a physician immediately.*
  - Guidelines for the physicians *Refer to National Poison Centre.*
2. In case of dermal contact or contact with eyes *For eye contact : Flush thoroughly with water. If irritation occurs, get medical assistance.*  
*For skin contact: Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency.*
  - Symptoms of intoxication *Minimally toxic and not expected to be harmful.*
  - Appropriate first aid. *Wash with clean running water.*
  - Guidelines for the physician *Refer to National Poison Centre.*

**D: STEPS TO BE TAKEN IN CASE OF SPILL OR ACCIDENTAL DISCHARGE CAUSING MATERIAL DAMAGE ARISING FROM –**

1. Spill on floor, soil , road, etc *Land Spill: Stop leak if you can do so without risk. Recover by pumping or with suitable absorbent. Contain spill using spill kit materials.*
2. Spill into water *Stop leak if you can do so without risk. Confine the spill*

- 3. Fire
- 4. Explosion

*immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.  
Use fire extinguisher type dust, foam and CO<sub>2</sub> only.  
Waste has no potential of self-explosion.*

Waste Generator Address:	INSTITUT SAINS BIOLOGI, FAKULTI SAINS, UNIVERSITI MALAYA 50603 KUALA LUMPUR
Person in Charge:	PUAN NOR SHAHIDAH MUSTAPHA