



# Sterling Chemical Malta Ltd

## SAFETY INSTRUCTION

Steps to be taken in case of spill or release or contact with hazardous substances

### REVISION HISTORY

Revision Date	Revision Number	Sections affected	Change description
22.01.2014	00		First issue

Instruction Number: <b>MIOS_4.4.7-C</b>	Edited by: <b>RSGS</b>	Approved by: <b>Safety manager</b>
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EMERGENCY FIRST RESPONSE TEAM			
	Sterling Chemical Malta Ltd	<b>Steps to be taken in case of spill or release or contact with hazardous substances (for fire-fighters employee)</b>	Instruction Number MIOS_4.4.7-C
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In case of a spill or release of hazardous substances is necessary to follow steps below

**A. IN CASES OF SPILLS OR RELEASE THAT INVOLVE SMALL QUANTITIES (FEW LITRES) OF HAZARDOUS SUBSTANCES**

**1. Wear personal protective equipment, which in many cases are as follows:**

- *Solvents with a low boiling point:* mask with filters in X, tyvek overalls, safety shoes, gloves, goggles;
- *Solvents with high boiling point:* gas mask with filters Abek, tyvek overalls, safety shoes, gloves, goggles;
- *Acids:* gas mask with filter for acid vapors (gray band), tyvek overalls, safety shoes, gloves, goggles;
- *Ammonia:* gas mask with filter for ammonia vapors (green band), tyvek overalls, safety shoes, gloves, goggles;
- *Chlorine:* gas mask with filter for chlorine vapors, tyvek overalls, safety shoes, gloves, goggles;
- *Strong bases:* gloves, goggles or face shield, tyvek overalls, safety shoes, mask with filters Abek;
- *Powders:* gloves, goggles, dust mask or half-mask or Full Face mask with P3 filters and headgear.

**B. IN CASES OF LARGE SPILLS**

1. Wear the following PPE: SCBA, tyvek overalls, safety shoes, gloves and goggles.
2. Identify the cause of the loss and advice responsible of plant or department for spillage to eliminate, after following Coordinator of emergency direction, and without risk to themselves.
3. Following Coordinator of Emergency instruction, use spill-kit to limit the spillage area and avoid that the substance reaches the ground or the sewer
4. Following Coordinator of Emergency instruction, use absorbent materials of the spill kit a to absorb the substance chemical spills. The material of spill-kit is various and it are used as appropriate. Following is material list:
  - For solvents: loose and sand absorbents
  - hydrochloric acid: dry sand, loose absorbents, sheets, sleeve and pillows
  - Sulfuric acid and sulfuric chlorohydrin: dry sand, loose absorbents, sheets, sleeve and pillows
  - Bases: dry sand, loose absorbents, sheets, sleeve and pillows
  - Inorganic salts: Collect mechanically;
  - Active pharmacologically powders: Collect mechanically, making sure that there are no aspirations or ventilation in operation.

In all cases, the collected material must be stored in a separate area, after which you can proceed to wash the floor with water or other suitable material. The water used for washing must be sent to disposal.

In case of contact with hazardous substances is necessary to follow the procedure below.

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1. In case of contamination, consult the Material Safety Data Sheet, and if possible, use the shower / eyewash closer. If you need to contact the emergency room and the physician in charge
2. In case of eye contact, also use the eyewash kit in every department.