

PREREQUISITES

Trainings required:

- Chemical Risks
- BM Basic
- Plasma Manual or TI

PPE:

- Nitrile gloves
- Safety shoes

Other equipment:

- Trolley for BMs

Plasma machine must not be used by a lone worker and must be monitored at all times during flame operation.

Plasma Machine

#	Risk	Mitigation measures	Mitigated risk level
1	Short-circuit Thermal Runaway inside the enclosure	Remove bracelets, rings, watches and any other metallic element from your hands and wrists. Always wear nitrile gloves when handling cells, sleeves and modules. Avoid shocks and handle with care. In case of suspect/dropped cell or battery follow the interne emergency procedure.	Medium
2	Harmful substances Gases: NO, NO ₂ and O ₃	The door enclosure cannot be open during programs. The enclosure remains locked for 6:30 minutes after the end of the cycle. Always check that the gas levels on the Dräger detector inside are below the following thresholds before opening the door: NO ₂ : 0.7ppm O ₃ : 0.05ppm NO: 2ppm In case of emergency, the Emergency Stop immediately shuts down the plasma and ventilation.	Medium
3	Mechanical hazard, risk of falling objects	When placing the jig with 9 cells used during plasma cleaning avoid shocks and handle with care. Wear safety shoes.	Minor
4	Thermal hazard - Burns	Keep hands away from the plasma nozzle ⚠ hot zone !	Medium
5	Unexpected Thermal Runaway during Plasma run	In case of an anomaly: Press the emergency stop Do not open the enclosure Immediately inform Production, Safety and Facility teams In case of thermal Runaway: Press the emergency stop Do not open the enclosure Activate the Fire Alarm System Evacuate the building Call the fire department (118)	Medium

In case of emergency

Fire



118



Stay calm and sound the alarm
Use a manual call point



118

Call the fire brigade

Where is the fire ?
Who is calling (name + phone number) ?
How many people are involved ?
Any specific **hazard** ?



Use a fire extinguisher

Aim at the base of the fire
Do not take unnecessary risks



Evacuate calmly

If there is smoke, stay close to the floor

Accident 144

1

Stay calm and observe the situation

- What happened ?
- Who is injured ?

2

Identify the hazard(s)

- Could anyone else get hurt ?
- Could rescuers get hurt ?

3

Act

- Protect yourself first
- Secure the area
- Call for a first-aider and follow his instructions

Call 144 for any medical emergency

Evacuation



When you hear the alarm signal, close all windows and doors



Evacuate calmly

- Go to the nearest exit
- Do not go back inside



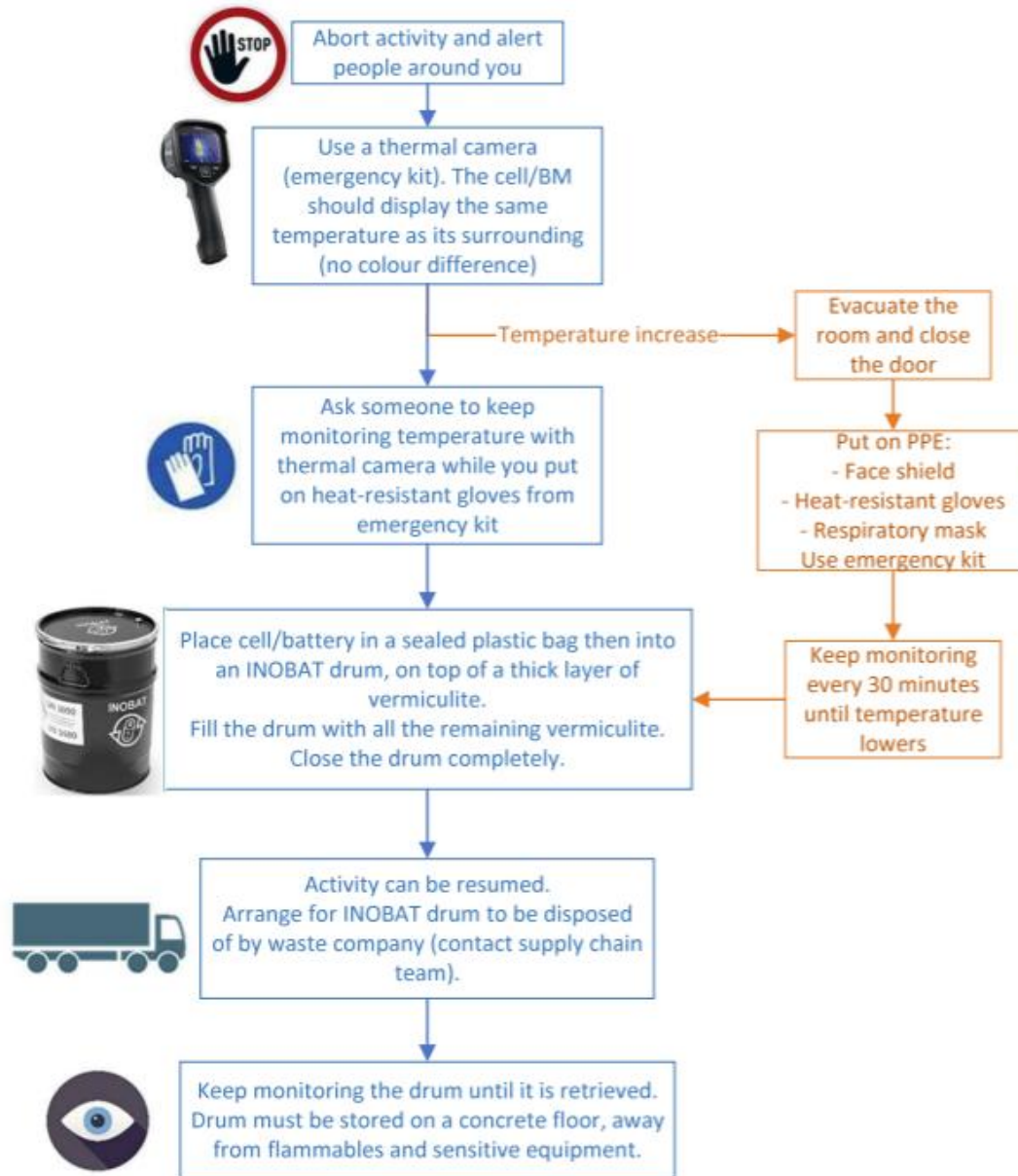
Never use the elevator



Join the meeting point

- Stay there until you receive further instructions
- Do not go back inside

In case of suspect/dropped cell or battery (Switzerland)



Picture of emergency kit

In case of any sign of fire, smoke or venting



ALWAYS CREATE AN OSH SAFETY TICKET TO LOG THE EVENT

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