

Safety at IUI

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General Guidelines

- 1) The IUI is located within a marine nature reserve. Please follow the rules of nature conservation and avoid activities which may harm the fauna and flora. Do not collect protected items from the sea and the beach without a permit from the Israel Natural Parks Authority. Entry and exit from the sea are permitted only in the designated paths with marked buoys (the one linked to the IUI pier and the other about 40 meters north).
- 2) Paths and work places may have sharp objects and fragile glassware may break in laboratories, spilling chemical residues and spreading sharp pieces of broken glass. Therefore, please avoid walking barefoot in any area of the institute (excluding the dive center and dormitories).
- 3) In order to avoid light "contamination", the institute uses dim or red light at places visible to the sea. Please walk carefully and slowly during dark.
- 4) Please help conserve energy and water; turn off air conditioners and lights when leaving rooms, the lecture hall and the laboratories and minimize the use of fresh water (which originates from an energy-consuming desalination plant).

Map of the Institute



- | | | | | |
|---------------------------|---|--|--|--------------------------------|
| 1. Chemical Storage | 7. Israel National Monitor Program at the Gulf of Eilat | 12. Administration | 16. Oceanographic Storage, Diving compressor | 21. Red Sea Simulator WT-C |
| 2. Storage Containers-A | 8. Storage Container-B | 13. Wet Labs, WT-B | 17. Labs | 22. Teaching Building |
| 3. Maintenance shop | 9. Entrance, Parking lot | 14. Main electrical room and generator | 18. Seawater pumping complex | 23. Research Building |
| 4. Dorms | 10. R&D Workshop | 15. Kitchen, Labs, Offices | 19. Research Pier | 24. Main road Eilat – Egypt |
| 5. WT-C (Water tables-C) | 11. Main Building | | 20. Diving Center | 25. The Underwater Observatory |
| 6. Wet Labs | | | | |

Emergency Numbers (A)

1) National Emergency units

UNIT	Tel.	Notes
Emergency Medical Services	101	
Fire department	102	Also Hazardous materials & rescues
Police	100	
Israel Poison Information Center	04-7771900	Exposure to hazardous substances – INFO (24h)
Israel Navy (Eilat)	08-6366228	Also for the purpose of approving night dives

Emergency Numbers (B)

2) Officials at the institute

Role	Name	Internal (office)	Mobile
Guard		126	050-5202526
Safety coordinator	Gil	177/104	058-4997171
Marine Unit Manager & Diving Officer	Nachumi	149	054-3215064
Maintenance Manager	Erez	137	050-5738819
Administrative Director	Modi	180	050-6231045

3) The Underwater Observatory

- Night watchman: 054-2205809

Emergency Facilities at the Institute (Map)



Emergency Facilities at the Institute (A)

FIRST AID עזרה ראשונה



First aid kits

- 1) Main building, second floor
- 2) Administration main office, behind door (during business hours)
- 3) Dive center, gray cabinet
- 4) Teaching building, between student laboratories
- 5) Research building, second floor



Defibrillator

- 1) Dive center, gray cabinet
- 2) Research vessel



Emergency Oxygen

- 1) Dive center
- 2) Boats
- 3) Research vessel

Emergency Facilities at the Institute (B)



Shelter

- 1) Southwestern corner, container area, behind dorms
- 2) Main Building, ground floor, Tel Aviv office
- 3) Teaching Building, across from student labs
- 4) Research Building, one of each floor



Emergency chemical spill kits

- 1) Southwest corner, outside chemical storage
- 2) Main Building, second floor
- 3) Main Building, guest lab (north face, under stairs)
- 4) Education building, outside eastern student lab
- 5) Research building, second floor

In case of chemical spill

- 1) Notify the residents of the floor, keep people away from spill
- 2) Isolate the spill area by shutting doors or hanging signs
- 3) Notify the safety coordinator (Gil Koplovitz – 058-4997171) and the safety inspector (Rafi Juliusburger - 054-882-0356)
- 4) If needed, notify the fire department (102) and emergency medical services (101)
- 5) 1st priority – take care of anyone affected – take them out to the open air, rinse them with water in the emergency showers and eye-wash stations.
- 6) If you are familiar with the chemical that spilled, call another experienced person and act according to the instructions:
 - A. Wear full Personal Protective Equipment (PPE) from the chemical spill cabinet
 - B. Use gas mask with filter, chemical resistant gloves, protective suit and shoe covers
 - C. Absorb the spill with the dedicated absorption pads
 - D. Put the absorption pads and used PPE in a trash bag, seal it and label it

Chemical safety and waste guidelines

- 1) It is the user's responsibility to process chemical waste and purchase the required equipment (waste containers, neutralizing agents, etc.)
- 2) Chemical waste needs to be separated based on chemical properties (organic liquid, inorganic liquid, contaminated labware, solids. See safety coordinator if you need guidance).
- 3) The IUI chemical storage shed is not climate controlled. Summer temperatures can reach $>50^{\circ}\text{C}$. **Do not store heat sensitive chemicals in the chemical storage shed!** Consult the MSDS for each chemical to determine optimal storage conditions.
- 4) Dangerous/flammable/toxic chemicals are only to be stored in a fume hood, ventilated chemical cabinet, or the chemical storage shed.
- 5) Plan your storage and waste needs before you begin working!



Life Saving Guidelines : Earthquake

PROPER CONDUCT DURING AN EARTHQUAKE:

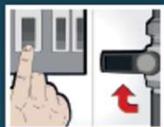
When you are inside:

If you are indoors when an earthquake strikes, quickly go to a safe place, according to the following priorities:



1. If you can get out of the building within seconds
Exit the building to an open area.
(Especially if you are in a one-story building or on the ground floor)
2. If you cannot get out of the building quickly
Go to the reinforced security room (mamad).
Leave the mamad door open.
3. If you cannot get out of the building quickly and there is no security room
Go to the stairwell and, if possible, keep going down towards the exit of the building.
4. Only if you cannot do any of these,
Take cover under a heavy piece of furniture, or sit on the floor, close to an interior wall.

ADDITIONAL INSTRUCTIONS:



Before leaving the building, turn off the main gas valve and electricity switch.



Make your way to a safe place, keep clear of exterior walls, windows and shelves.



Don't use the elevator during or following an earthquake; you could get trapped inside.



If you are in a wheelchair, once you reach a safe place, lock the wheels and keep your head protected.

WHEN YOU ARE OUTSIDE:

If you are outdoors when an earthquake strikes, **stay in an open area** and keep away from buildings, bridges and electricity poles.



WHEN YOU ARE AT THE BEACH:

If you are at the beach when an earthquake strikes, leave immediately, in case a tsunami strikes you. Go at least one kilometer inland from the beach. If you cannot leave the shore area, enter a nearby building and go up to at least the 4th floor. Do not return to the beach for 12 hours following an earthquake. A powerful, sudden receding tide is a sign of an approaching tsunami.

PROPER CONDUCT AFTER AN EARTHQUAKE:



Leave the building and make sure you remain in an open area far away from buildings and torn electrical lines.



Take the family emergency kit with you.



Listen to the media for information and instructions.

TRAPPED UNDER WRECKAGE:

If there are people trapped under debris in the vicinity, try to rescue them using anything handy, at your own discretion, such as a car jack or iron rod. Administer first aid to the best of your knowledge.

AFTERSHOCKS:

Be prepared for aftershocks, which may occur anytime from a few minutes to a few days after the primary quake, and can bring down buildings that were weakened. Don't enter damaged buildings except to save lives.

Life Saving Guidelines : Rockets

Guidelines during the Firing of Rockets

In Transit

Stop on the side of the road

Exit the vehicle

Enter a nearby building
otherwise, **lie** on the ground
and protect your head
using your hands



Indoors

Enter a protective room or shelter

Close the windows

Lock the door



On public transport

City Bus

Exit the bus and enter
a nearby building

Intercity Bus or Train

Bend below the windows
and protect your head
using your hands



Outdoors

In an Urban Area

Enter a nearby building

In the Open

Lie on the ground
and protect your head
using your hands



Wait 10 minutes!