

## Description of any significant hazardous material release incidents during the previous three years

7 events Speakers	Year 2017	Description	Amount	Reason	Risk level
GMD	2-2-2017	Transport MD in a car, no breakage, but the person will have disposed of the products inappropriately	about 10 kg	Negligence	minor
GMD	15-3-2016	Spill recovery container	about 3 liters	Poor segregation	minor
GMD	30-5-2017	Suspected spill of Hydrofluoric acid (HF) inside the chemical hood	1 ml	Clumsiness	Minor
GMD	5-9-2017	Pick up a sulfuric acid spill	500 ml	Poor segregation	minor
GMD	31-8-2017	Methanol spill on the floor	400 ml	Clumsiness	Minor
Firefighter	3-9-2017	Gas smell	Not applicable	negligence / product left on the Ethanthiol counter	Minor
GMD and plumber	11-9-2017	Water leakage and presence of solvent odor	Not applicable	Pipe breakage / odor coming from the retention basin	Negligible
9 events Speakers	Year 2018	Description	Amount	Reason	Risk level
Research Officer / SPS / GMD Technician	7-2-2018	Loss of consciousness of a student	Not applicable	Discomfort / (student lost consciousness while handling HF)	Moderate
GMD	17-4-2018	Piranha solution spill	2 Liters	Awkwardness when handling the container	Moderate
Security guard / GMD	18-4-2018	Formic acid + methanol solution splash in the eyes of a female student	Drops	Awkwardness when handling	Moderate
GMD	26-04-2018	Burst of a container of hazardous materials	10 liters	Chemical waste segregation error	Moderate
GMD	6/14/2019	Leaking inert gas cylinder	half of the cylinder	Incorrectly connected piping	Minor
GMD	10-9-2018	Battery backup installed on a generator that contained acid exploded	4 Liters	Battery failure	Moderate
GMD	6-11-2018	Splash of a product on a student's eyelid	Traces	Awkwardness when handling	Minor
MMF	10-11-2018	Spill of an unknown product on the floor	2 Liters	Leak of a machine after checking it was water	Negligible
Tech. laboratory 3 GMD	27-11-2018	Splash of a product in the eye of a student	drops	Neglect to wear PPE	Minor
8 events Speakers	Year 2019	Description	Amount	Reason	Risk level
Security guard / GMD	17-4-2019	Spill of a Cd solution	50 ml	Awkwardness when handling	Minor
Security guard / GMD	25-04-2019	Minor spill of phenol	a few ml	Awkwardness when handling	Negligible
GMD	30-4-2019	Broken mercury thermometer (in a hood)	Not applicable	Awkwardness when handling	Minor
GMD	09-5-2019	A spill of a solvent-dye mixture with a splash in the eyes of a female student	1 liter spilled and a few drops in the eyes	Breakage of equipment during handling	Moderate
Security guard / GMD	05-07-2019 / summer	Glycol spill in the mechanical room	Not determined	Equipment breakdown	Minor

(recommendation)	break				
GMD	20-11-2019	Paraformaldehyde spill	250 ml	Awkwardness when handling	Minor
Security guard / GMD	13-12-2019	Respiratory tract irritation	Not applicable	Product that reacted in the dishwasher	moderate
Firefighter / Energir Company / SPS / GMD Technician	21-11-2019	Natural gas leak which necessitated the evacuation of the CB pavilion	Not applicable	Defective valve	Major
5 events Speakers	Year 2020	Description	Amount	Reason	Risk level
Security guard / GMD	27-01-2020	Puddle of unknown liquid	Not applicable	washing residue water on the floor	Negligible
Security guard / GMD	30-01-2020	Sodium methoxide minor spill	15 grams	Breakage of container	Minor
GMD	23-07-2020	Oil spill	4 liters	Neglect	Minor
GMD	30-11-2020	Pyruvic acid spill	20 ml	Awkwardness when handling	Negligible
Firefighter / SPS / GMD Technician	17-12-2020	Explosion and fire	Not applicable	Misuse of a device	Major

All incidents were remedied according to what is prescribed by the laws and regulations in Quebec and Canada.

#### Legend

**Risk level \*\***

**Major:** Person with serious injuries, high fire risk, spill that requires evacuation of the pavilion

**Moderate:** Person with injuries requiring intervention of paramedics, inconvenienced persons, medium risk of fire, spill which requires a safety perimeter or which requires the intervention of firefighters, quantity of spilled products, toxic product which may have harmful effects on user health

**Minor:** No injured person or injuries requiring first aid response, low exposure to spilled product, spill contained

**Negligible:** very low risk for users, event that creates uncertainty for users

#### Acronym

**GMD:** Hazardous Materials Management Team

**SPS:** Prevention and security service

**MMF:** Stationary machinery mechanic

**HF:** Hydrofluoric acid

**N / A** Not applicable