

SI 209 of 2015 - Notification Form

Section 1 : General Information

Data Type	Web	Required Information	Supplied Information
Reg. 8(1)(a) - Operator Name	✓	Registered Name	ABC Chemical Company Ltd
	✓	Trade Name	ABC Chemicals
Establishment Address	✓	Address 1	Chemicals Industrial Estate
	✓	Address 2	Factory Street
	✓	Address 3	Cork
	✓	Address 4	
	✓	County	Cork
	✓	Eircode	ABC 1234
	✓	Website	www.abc-chemicals.ie
		Latitude (decimal degree)	51. 89 71 68 00
	Longitude (decimal degree)	-06. 46 87 30 00	

Reg. 8(1)(b) - Registered Place of Business (if different to above)	✓	Address 1	Legal Office
	✓	Address 2	Factory Street
	✓	Address 3	Cork
	✓	Address 4	
	✓	County	Cork
✓	Eircode	ABC 1234	



Reg. 8(1)(c) - Person in Charge	✓	Name of person in charge of establishment	Mr John Murphy
	✓	Position of person in charge	General Manager
	✓	Contact Name	Ms Joan Ryan
	✓	Contact e-mail	safetymanager@abc-chemicals.ie
✓	Date of notification submission	21 December 2015	

Dangerous Substances

In the next table, provide the name and relevant details for each dangerous substance present in the establishment in quantities greater than 2% of the lower threshold - whether in Part 1 or Part 2 of Schedule 1 (and less than this if their location in the establishment means they can act as an initiator of a major accident elsewhere in the establishment). Begin with the highest threshold substances.

✓	Name of Dangerous Substance	Quantity (tonne)	Substance Form	Hazard Categories of the Dangerous Substance	Dangerous Characteristics	Named Substance (NS)	NS H-statement	Sch.1 Part?	Name for Public Web
1	Acetone	6,520.000	Liquid	Physical.P5a	H225	No		Part1	Common name
				Physical.P5b	Other				
				Physical.P5c	Other				
2	Chlorine	50.000	Gas	Env.E1	H400	Yes	H315	Part2	Common name
				Physical.P4	H270		H319		
3			= Form Not Selected =			= Response Not Selected =		Part2	Common name
4			= Form Not Selected =			= Response Not Selected =		Part2	Common name
5			= Form Not Selected =			= Response Not Selected =		Part2	Common name
6			= Form Not Selected =			= Response Not Selected =		Part2	Common name
7			= Form Not Selected =			= Response Not Selected =		Part2	Common name
8			= Form Not Selected =			= Response Not Selected =		Part2	Common name
9			= Form Not Selected =			= Response Not Selected =		Part2	Common name
10			= Form Not Selected =			= Response Not Selected =		Part2	Common name

[I want to add additional inventory](#)

		Required Information	Supplied Information
Reg. 8(1)(D) - Activity	✓	Activity (or proposed activity) at the establishment	General Chemicals manufacture (not otherwise specified in the list)
Tier (Sch. 5)	✓	Tier of establishment	Upper-tier
		Required Information	Supplied Information
The immediate environment of the establishment and factors likely to cause a major accident or aggravate the consequences thereof [8(g)]		Details of nearest neighbouring COMAH establishment(s) with the potential for domino effects	There are a number of COMAH establishments in the area, the nearest being 1km away. There is no potential domino effect from any of the sites based on current information.
		Details of neighbouring site(s) outside scope of the Regulations which could be the source, or increase the risk or consequence, of a major accident.	This is a largely industrial area with mixed use units varying from storage warehousing to fabrication workshops. Based on current information there is no perceived increase to risk.
		Areas and developments that could be the source of, or increase the risk or consequence of, a major accident	A large hospital is situated 1.5km to the north east of the site
		Include a scaled (not less than 1:2,500) site 'map' showing the location and quantities of the dangerous substances listed above. The map must display a scale bar and direction indicator.	 COMAH upper-tier sites.kml
		Include a scaled (not less than 1:10,000) area 'map' that clearly shows the establishment boundary, neighbouring establishments, external sources of major accidents and the location of the significant human and environmental receptors. The map must display a scale bar and direction	 Desert.jpg in this cell.
Purpose	✓	Purpose of Notification	First update required by SI 209 of 2015
IED		Does the IED apply?	Yes
E-PRTR		Does the EPRTR apply?	Yes

Confidentiality	Information the CCA intends to provide electronically to the public is ticked in the 'Public' column of the table above. If you consider that any of the other information supplied is confidential <u>under the exclusions available under the Access to Information on the Environment Regulations (AIER)</u> and should not be released to requests under the AIER you must specifically indicate which piece of information is to be excluded. As the processing of confidential information places a significant burden on the CCA, any claim should be justified with further relevant supporting argument. The amount of confidential information should be kept to the minimum consistent with the AIER. Under AIER, the disclosure decision resides with the public authority that holds the information.
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Section 2: Additional Information for the public (for the CCA website), Regulation 25 & Schedule 5 Part 1

The CCA will put the following information on the website as standard.
 On 'adequate information about the behaviour in the event of a major accident':
Members of the public are advised to co-operate with any instructions or requests from the emergency services in the event of an accident or potential accident.
 On where further information may be obtained:
In the first instance, further information may be available from the operator. Subject to Regulation 26 ('Access to information and confidentiality') information may be available from the Health and Safety Authority, on request.
 For upper tier establishments this additional information will be provided: *Information may also be available on request from the Local Authority, the Gardai and the Health Services Executive in relation to external emergency plans, subject to Regulation 2.*

		Required Information	Supplied Information
Para (5) of Schedule 5 Part 1 - How Public will be warned		General information about how the public will be warned, if necessary;	As we are an upper-tier establishment, we send leaflets to the persons likely to be affected, which includes this information. The public who may be affected will be warned by one or more on-site sirens.
		adequate information about the behaviour in the event of a major accident	As we are an upper-tier establishment, we send leaflets to the persons likely to be affected, which includes this information.
		or where that information can be accessed electronically	www.abc-chemicals.ie/infoforthepublic
Para (5) of Schedule 5 Part 1 - Further Information		Any additional information the operator would like to include:	Nothing further to add

Section 3: Additional Information for the public for Upper-tier establishments (for the CCA website) Regulation 25 & Schedule 5 Part 2

The CCA will provide general information on the public website about the requirements of the Regulations and the duties of operators in relation to the prevention and mitigation of major accidents. Therefore, particularly in selecting the appropriate control measures below, you should pick the most relevant and specific measures that will be in place (up to four). There is also space in the last box for a free text entry related to your control measures.

Complete a section below for each type of major accident that could occur (fire, explosion, toxic release, MATTE), beginning with the accident with the most significant effects.

	Required Information	Supplied Information
Para. 1 Schedule 5 Part 2 - Nature of Major Hazards (1)	Nature of the major accident	Fire
		No other effect
		No other effect
	Potential effects to human health	Potential for burns to body.
		Temporary exposure to smoke from a fire from which generally fit and well people are unlikely to experience long-term health problems.
	Potential effects on the environment	Dangerous substances contaminating groundwater if containment fails.
No Effect		
Accident scenario description	Fire in the acetone tank farm	
Para. 1 Schedule 5 Part 2 - Control Measures to address major accident hazards	Control Measures	Establishment has an automatic fire alarm system connected to a central monitoring station and/or the fire service.
		Potential ignition sources are eliminated in accordance with the ATEX Directive to protect against the ignition of flammable material.
		Key operating units and storage facilities are fitted with automatic shutdown and isolation systems.
		Suitable arrangements are in place to prevent or minimise loss of containment of dangerous substances.
Para. 2 Schedule 5 Part 2 - On-site Response	Information concerning adequacy of on-site arrangements to deal with an emergency, in particular liaison with emergency services, to deal with major accidents & minimise their effects.	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
Para. 3 Schedule 5 Part 2 - EOP	Appropriate information from the external emergency plan, drawn up to cope with the off-site effects from an accident, including advice to cooperate with any instructions or requests from the emergency services at the time of the accident.	A publicly available external emergency plan has been drawn up by the local authority, Gardai and HSE to respond to any consequences outside this establishment as a result of a major accident.
		You should cooperate with the instructions of the emergency services.

	Required Information	Supplied Information
Para. 1 Schedule 5 Part 2 - Nature of Major Hazards (1)	Nature of the next type of major accident	Release of dangerous substances with potential for adverse health effects.
		No other effect
		No other effect
	Potential effects to human Health	Substantial exposure to toxic chemicals (potentially fatal)
		Breathing air with high concentrations of dangerous substances that could lead to asphyxiation and/or poisoning, which could result in unconsciousness.
	Potential effects on the environment	Inhalation, ingestion or direct contact with dangerous substances causing harm/fatality to specific species of animals.
Dangerous substances contaminating groundwater if containment fails.		
Accident scenario description	Release of 800kg of Chlorine gas following catastrophic failure of the containment.	
Para. 1 Schedule 5 Part 2 - Control Measures to address major accident hazards	Control Measures	Detectors are in place to alert staff to any loss of containment.
		Suitable arrangements are in place to prevent or minimise loss of containment of dangerous substances.
		Key operating units and storage facilities are fitted with automatic shutdown and isolation systems.
		Isolation procedures are in place to prevent or reduce the extent of an incident.
Para. 2 Schedule 5 Part 2 - On- site Response	Information concerning adequacy of on-site arrangements to deal with an emergency, in particular liaison with emergency services, to deal with major accidents & minimise their effects.	This establishment has prepared an internal emergency plan for major accidents which is tested at least every 3 years, has liaised with the emergency services and agreed on the actions and arrangements to deal with major accidents and minimise their effects.
Para. 3 Schedule 5 Part 2 - EEP, co-operation	Appropriate information from the external emergency plan, drawn up to cope with the off-site effects from an accident, including advice to cooperate with any instructions or requests from the emergency services at the time of the accident.	A publicly available external emergency plan has been drawn up by the local authority, Gardai and HSE to respond to any consequences outside this establishment as a result of a major accident.
		In the unlikely event of a major accident there may be immediate harm from the dangerous substances involved. There may also be disruption arising from the actions of the emergency services e.g. road closures.

[Enter additional major accidents](#)

Confidentiality	If you consider that any of the information provided in this section is confidential under the exclusions available under the Access to Information on the Environment Regulations (AIER) and should not be released to requests under the AIER you must specifically indicate which piece of information is to be excluded. As the processing of confidential information places a significant burden on the CCA, any claim should be justified with further relevant supporting argument. The amount of confidential information should be kept to the minimum consistent with the AIER. Under AIER, the disclosure decision resides with the public authority that holds the information.
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Section 4: Information for land-use planning (Regulation 24(11))

The map provided in Section 1 will be used in conjunction with this part in identifying the locations of dangerous substances with significant hazard potential. Some establishments may have multiple hazard types. For example, a pharma site may have bulk flammable storage, bulk toxic, pressurised toxic gases, chemical warehousing, reaction hazards: in such cases the details should be filled in consecutively for each one, beginning with the most significant.

All distances should be given in metres, volumes in m³ Frequency = the number of relevant operations per year.

Begin by selecting the LUP Hazard type of your establishment from the drop-down list below.

LUP 1	The LUP description that <u>best describes the hazard source within your establishment:</u> →	Flammable Storage in bulk with vapour cloud explosion (VCE) risk
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Complete the required information in the relevant fields below:

Required Information	Supplied Information	Required Information	Supplied Information
Dangerous substance 1	Acetone	Gantry Volume (1 xb xh)	700m3
Bund length	62m	Firewater retention capacity of est.?	1,8000m3
Bund width	45m	Other relevant information?	Automatic foam pourers in bund
Bund height	3m	-	No information required
Vol. tertiary containment	8525m3	-	No information required
Largest Tank - radius	15m	-	No information required
- height	20m	-	No information required
Number of tanks in bund	18	-	No information required
Filled from a ship?	Yes	-	No information required
Frequency of fill	26 per annum	-	No information required
Gantry present ?	Yes	-	No information required
Largest Road Tanker Vol.	22,000 litres	-	No information required
Frequency of road tanker fill	28 per week	-	No information required

If there is another significant hazard source in your establishment (i.e. with potential for off-establishment effects), complete additional sections as relevant.

LUP 2	The LUP description that <u>next best describes the hazard source within your establishment:</u> →	Toxic gas drum & cylinder store
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Complete the required information fields below:

Required Information	Supplied Information	Required Information	Supplied Information
Dangerous substance 1	Chlorine	Other relevant information	
Single Cylinder/drum inventory (kg)	850kg	Dangerous substance 3	
Single Cylinder/drum volume (l)	900 l	Single Cylinder/drum inventory (kg)	
Cylinder/drum ambient pressure at (kPa)	680kPa	Single Cylinder/drum volume (l)	
No. of this cylinder/drum type?	50	Cylinder/drum ambient pressure at (kPa)	
Is storage location restricted (show on Other relevant information)	Yes as per map	No. of this cylinder/drum type?	
Dangerous substance 2		Is storage location restricted (show on map)?	
Single Cylinder/drum inventory (kg)		Other relevant information	
Single Cylinder/drum volume (l)		-	No information required
Cylinder/drum ambient pressure at (kPa)		-	No information required
No. of this cylinder/drum type?		-	No information required
Is storage location restricted (show on		-	No information required

If there is another significant hazard source in your establishment (i.e. with potential for off-site effects), complete additional sections as relevant.

LUP 3	The LUP description that <u>next best describes the hazard source within your establishment:</u> →	= = Hazard Source Not Selected = =
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Complete the required information in the relevant fields below:

Required Information	Supplied Information	Required Information	Supplied Information

If there is another significant hazard source in your establishment (i.e. with potential for off-establishment effects), complete additional sections as relevant.

LUP 4	The LUP description that <u>next best</u> describes the hazard source within your establishment: ----->	== Hazard Source Not Selected ==
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Complete the required information in the relevant fields below:

Required Information	Supplied Information	Required Information	Supplied Information

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You may embed a document, relevant to the major accident hazards at your establishment and relevant to the generation of land-use planning advice, here----->	Embed the file in this cell.
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