

# Barry Industrial Complex

## Safety Booklet



Helpline: **0800 783 0187**

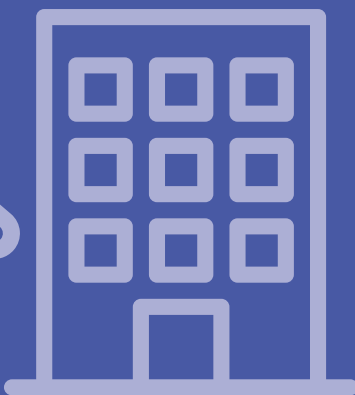
Message line: **020 3824 1912**

Warn & Inform registration:

**<https://barry-registration.sendwordnow.eu>**



# Dear neighbour



# Welcome to the Barry Industrial Complex's safety booklet, which includes very important information for our neighbours.

Incidents are rare but you, and your family and employees, need to know what to do in a major emergency.

Please keep this information safe and accessible at all times. Please read carefully the "What to do in a major emergency?"

## The booklet also includes information on:

**The chemicals handled in the companies**

**What you should do if you hear the emergency siren**

**Contact details for the companies in the Barry Industrial Complex**

You are still able to register for the telephone Warn and Inform system using the online registration system: <https://barry-registration.sendwordnow.eu>

You can now sign up for Emergency alerts via telephone (landline and or mobile) and, also via email and texts.

We would also recommend that if you have already registered your details, please check them to ensure that we have your accurate contact details. There will be no charge for any calls or messages received by you.

If you are part of a business or place where people gather, then we strongly recommend you have an in-house emergency plan using the guidelines under 'what do I do if I hear the siren?' should you hear one of our site sirens. This will ensure the safety of your employees, visitors and customers. Note that we test our sirens on Mondays between 3pm and 3.30pm. We would be happy to work with you to guide you when developing your plans.

We hope that you find the booklet useful. Please contact us if you have any questions.

Yours faithfully,

### **Site Manager/Leader**

Dow Silicones UK Limited  
Bakelite Synthetics UK Ltd  
Navigator Terminals Windmill Ltd

# Safety information about our sites



## We must, by law, give you information about safety because you live or work in an area that could be affected by a major emergency at any of our sites.

This information includes details of any chemicals we use that are considered dangerous by the Control of Major Accident Hazards Regulations (known as COMAH).

### What do we make and what chemicals are used?

**Dow Silicones UK Limited** makes a range of silicon-based products from cosmetics to car airbag coatings and construction sealants. The principal chemicals on site that are classed as dangerous substances under the COMAH Regulations are:

- Methyl chloride (a colourless and flammable gas)
- Methanol (a flammable liquid that is volatile, meaning it can evaporate easily)
- Chlorosilanes (a flammable liquid that generates an acid vapour called hydrogen chloride on contact with air or water).

### **Bakelite Synthetics UK Ltd**

manufactures phenolic resins that are used for making foam and as a binder in a wide range of products, including coal briquettes and moulds for molten metal casting. The principal chemicals on site that are classed as dangerous substances under the COMAH Regulations are:

- Phenol (a white solid at room temperature but turns into a liquid above 40°C) and has an aromatic vapour.
- Formaldehyde mainly used as a 50% solution in water and is volatile (evaporates easily).

### **Navigator Terminals Windmill Ltd**

does not manufacture any materials but stores products and raw materials for an adjacent chemical site customer. Under COMAH Regulations methanol is the only dangerous product stored.

## How could these chemicals affect me?

An accidental fire, explosion or release of chemicals could result in a cloud of gas that would be harmful if you came into contact with it, as follows:

### **Methyl chloride and methanol**

Short term contact can cause dizziness, disorientation, headaches or sickness. Longer term exposure could cause an effect similar to an anaesthetic, which in extreme circumstances could cause unconsciousness.

### **Chlorosilanes**

Low concentration (strength) of chlorosilanes can cause irritation to your eyes, nose and throat causing eyes to stream and making you cough with a potential sore throat. In higher concentrations it can also cause headaches and in extreme circumstances could cause unconsciousness.

### **Formaldehyde vapour**

At low to medium concentrations this can cause streaming eyes and a tight chest. At higher concentrations in the air it can cause headaches and possibly unconsciousness.

### **Phenol**

Phenol is corrosive and can burn the skin. The vapour is unlikely to pose risk other than being a nuisance odour.

## How do the sites deal with a major emergency?

The site's own emergency response teams would act immediately and call out the external emergency services for support (for example South Wales Fire Service).

The Barry Industrial Complex would then use its offsite plan to deal with the major emergency in a planned and tested manner. This plan was prepared by the Vale of Glamorgan Council in consultation with the sites and the emergency services. It is tested and updated every 3 years.

## How do the sites prevent accidents?

Sites build safety measures into every stage of their operations so that we have multiple layers of protection to prevent accidents from occurring. We also train employees to ensure they are competent to use equipment correctly and safely.

We regularly check our facilities and safety systems and are inspected by Health and Safety Executive (HSE), who regularly visit our sites to make sure we are working safely. The HSE has copies of our safety reports, which detail the steps we take to prevent accidents.

**What should  
I do if I hear  
the siren?**



# What **should I do** if I hear the siren?



In an emergency a warning siren will sound on for three seconds and then off for three seconds. In total the siren will sound for five minutes.



The 'All Clear' siren will sound when the emergency is over. This is a continuous siren tone lasting one minute.



We will also use our telephone warn and inform system to signal an all clear.

We **test** our sirens **every Monday** between 3pm and 3:30pm.



## What to do if you hear the siren alarm (or get called by our “Warn and Inform” system):



### You should:

- ✓ Stay calm, go indoors immediately and stay there until you hear the all clear;
- ✓ Close all windows and doors to keep exposure potential to a minimum;
- ✓ Block room vents, draughts and turn off any ventilation fans (oven, air conditioners or extraction fans);
- ✓ Turn your heating boiler off, especially if it draws air from the outside;
- ✓ Follow similar precautions if you are in a stationary car. If you are driving, then drive away from the complex;
- ✓ Take a phone and move into a room facing away from the chemical complex;
- ✓ Listen to local radio and TV for updates;
- ✓ Stay in the room, even if you can smell a chemical, you are best protected inside;
- ✓ When you here the 'All Clear', open all your doors and windows and turn on all those fans you turned off earlier so the house will air out.



### You should not:

- ✗ Try to collect children from school or day care, they need to stay indoors too;
- ✗ Go outside, please wait until you hear the 'All Clear' before doing so;
- ✗ Call the emergency services, unless you need their help.

# Where can I get more information?



## To find out more about an ongoing emergency situation:

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Listen to your local radio station

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Turn on TV to a local TV station

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Listen out for any loudspeaker announcements (but stay indoors)

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Call the chemical complex helpline number 0800 7830187

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Call message line to hear update details about the incident

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## Your local radio stations are:

**BBC Radio Wales** 103.9 FM

**BBC Radio Cymru** 96.8 FM

**Bro Radio** 98.1 FM

**Capital Radio** 103.2 FM

**Heart Radio** 105.4 FM

## Register for our Warn & Inform service

We can then telephone you with special safety information in the event of a major emergency.

Register on-line at: <https://barry-registration.sendwordnow.eu>

If you are concerned or have questions, please contact us. If you prefer, you can also speak to your local councillor or the Emergency Planning Unit of the Vale of Glamorgan Council. Contact details for the companies in the complex, and for the Emergency Planning Unit, Natural Resources Wales, and Health and Safety Executive are listed in this booklet.

## Company contacts:

### **Dow Silicones UK Limited**

Cardiff Road  
Barry  
Vale of Glamorgan  
CF63 2YL  
Tel: 01446 732350

### **Bakelite Synthetics UK Ltd**

Sully Moors Road  
Sully  
Vale of Glamorgan  
CF64 5YU  
Tel: 01446 725500

### **Navigator Management Team**

Navigator Terminals Windmill Ltd  
Hayes Road  
Sully  
Vale of Glamorgan  
CF64 5RZ  
Tel: 01446 736677

### **Cabot Carbon Limited**

Sully Moors Road  
Sully  
Vale of Glamorgan  
CF64 5RP  
Tel: 01446 736999

## Other contacts:

### **Vale of Glamorgan Council**

The Alps Office  
Wenvoe  
CF5 6AA  
Tel: 01446 700111  
[www.valeofglamorgan.gov.uk](http://www.valeofglamorgan.gov.uk)

### **Health & Safety Executive**

Tŷ William Morgan  
6 Central Square  
Central Square  
Cardiff  
CF10 1EP  
[www.hse.gov.uk/contact/contact.htm#out-of-hours](http://www.hse.gov.uk/contact/contact.htm#out-of-hours)

### **Natural Resources Wales**

c/o Customer Care Centre  
Tŷ Cambria  
29 Newport Road  
Cardiff  
CF24 0TP  
Tel: 0300 065 3000  
Tel: 0800 80 70 60 (24-hour helpline)  
Email: [enquiries@naturalresourceswales.gov.uk](mailto:enquiries@naturalresourceswales.gov.uk)

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