

CSBP:

Community

Safety



CSBP:

Your responsible neighbour

Who is CSBP?

CSBP Limited is a manufacturer and supplier of high-quality fertilisers, industrial chemicals and associated services to the mining, agricultural and industrial sectors. CSBP represents the Chemicals and Fertilisers businesses of Wesfarmers Chemicals, Energy & Fertilisers (WesCEF), which is a division of Wesfarmers Limited.

CSBP operates a major industrial complex on Kwinana Beach Road within the Kwinana Industrial Area in Perth, Western Australia. At this site, CSBP produces agricultural fertilisers, ammonia, ammonium nitrate, sodium cyanide and other industrial chemicals. CSBP employs more than 600 people at this location, the majority of whom live in the Kwinana-Rockingham area.

CSBP's ammonia, ammonium nitrate, and sodium cyanide production facilities are classified as Major Hazard Facilities (MHFs) under the Dangerous Goods Safety Act 2004. All CSBP MHFs have current Dangerous Goods licences and operate to Safety Reports approved by the Western Australian Dangerous Goods regulator, the Department of Mines and Petroleum.

CSBP is committed to safe operations in our production and distribution facilities in a way that minimises any adverse impact to our people, the environment we share or the communities in which we operate. This includes ensuring the safety and security of our products on our site and in the community.



Ammonia and ammonium nitrate manufacturing

In the northern part of the CSBP Kwinana complex we manufacture, store and handle ammonia and ammonium nitrate, which are primarily used in the mining industry. We produce up to 260,000 tonnes of ammonia each year and from 2014 onwards our ammonium nitrate production is increasing to 780,000 tonnes per annum.

The ammonia production process (the Haber process) uses natural gas, steam and air to produce ammonia in gas form via a series of chemical reaction stages.

The ammonia gas produced is refrigerated and converted to liquid for storage prior to distribution to our internal and off-site customers. Ammonia is transported to customers via rail, truck and pipelines from the site.

Ammonium nitrate is used in the mining industry and is manufactured at our Kwinana complex in a staged chemical process using ammonia gas and oxygen from the air to form nitric acid and then combined again with ammonia to produce ammonium nitrate solution. This solution is distributed to some customers.

Other customers require a dry pelletised version and so the solution is concentrated and dried to produce ammonium nitrate solid (often called prill) which is then stored in our purpose-built storage warehouses prior to distribution.

Sodium cyanide manufacturing

Our sodium cyanide manufacturing facility is a joint venture with Coogee Chemicals and operates as Australian Gold Reagents Pty Ltd (AGR). It is located in the eastern area of the CSBP Kwinana complex.

Sodium cyanide is used in the gold mining industry in Australia and around the world. We manufacture and supply sodium cyanide solution for domestic markets and solid sodium cyanide for export markets. The sodium cyanide manufacturing facility consists of liquid and solid sodium cyanide production plants, as well as product storage and distribution facilities.

At CSBP, sodium cyanide solution is produced by mixing air, natural gas and ammonia and then reacting the intermediate product with sodium hydroxide (caustic soda) to produce sodium cyanide solution.

This solution is either stored in a dedicated tank storage area prior to being despatched to customers, or sent directly to the sodium cyanide solids plant to be made into briquettes of product.

Sodium cyanide solution is despatched to customers from the site in purpose-built 20-tonne iso-containers via rail and road. For export, sodium cyanide solid is packed within purpose-built and approved boxes, which are then placed into sea containers and transported by road before being shipped to international customers.



Safety and regulation of CSBP Major Hazard

Facilities (MHFs)

CSBP has been operating to the Safety Report regime since it was introduced in Western Australia in the late 1980s.

The purpose of a Safety Report is to demonstrate that appropriate risk control measures are implemented and managed to prevent and reduce the effects of potential major incidents. These risk controls also protect our employees, the community and neighbouring facilities. A Safety Report describes the facility, summarises the risk assessment processes used and the risk outcomes, and then presents the key elements of the safety management system that controls risk.

The Department of Mines and Petroleum, which assesses the CSBP Safety Reports against the requirements of the Dangerous Goods Safety Act 2004, determines whether the risk is acceptable.

CSBP risk assessments show that the risk of an incident occurring that may have an off-site impact is extremely low. This low risk is due to the many control measures implemented to prevent any incident occurring in the first place.

Additionally, there are control measures that reduce the impact of any incident in the unlikely event that it occurs. These control measures are numerous and include: safe engineering design, good maintenance and reliability programs, competency-based training programs, disciplined auditing/inspection programs and quality emergency management capability.

Through the development and approval of the Safety Reports by the regulator, CSBP has demonstrated there are appropriate systems in place to safely operate our facilities.

CSBP is a signatory to the Plastics & Chemicals Industries Association 'Responsible Care' program. This includes a code of practice dedicated to 'Community Right To Know'. This means we strongly support the provision of information to the community regarding our facilities.

Despite being of extremely low likelihood, the main incidents that could occur on the CSBP site with potential to go outside our site boundary involve a release of gas, such as ammonia or oxides of nitrogen which are by-products of the ammonium nitrate manufacturing process.

These low-likelihood events could potentially impact on the immediate industrial facilities near the CSBP site and we have well-formed processes for communicating with these neighbouring businesses.

In the event of a major incident with the potential to impact the community, a coordinated response with the Department of Fire and Emergency Services (DFES) and WA Police would be initiated, as outlined over the page.



Community Safety

What to do in an emergency

In the event that CSBP has an incident, we have effective emergency response systems in place to deal with the on-site portion of the event. A range of response teams will manage any incident that occurs at our facilities, irrespective of its size, nature or time of day. Department of Fire and Emergency Services (DFES) will be contacted by CSBP and advised of the nature of the incident, its severity and any potential to impact beyond the CSBP site.

In the unlikely event that a gas release occurs with potential off-site impacts, DFES will determine the appropriate response that the community should take. Until otherwise advised by DFES, or the WA Police, appropriate action during a gas release is:

- » Remain indoors, close all windows and doors
- » Turn off air conditioner units or place on recirculation
- » Stay informed via
 - » your local radio station, and
 - » monitoring DFES messages on your mobile phone, the DFES twitter account @dfes_wa and the DFES website www.dfes.wa.gov.au

CSBP emergency response

CSBP Kwinana has on-site response teams that undertake regular training to evaluate and continually improve their response capability.

CSBP is also part of Kwinana Industries Mutual Aid, which is focused on joint industry emergency response and enables sharing of emergency response expertise and resources in the event of a major incident in the Kwinana Industrial Area.





For further information visit: www.csbp.com.au

Personal Information Collection Statement: If you request that we provide you with updates, the personal information that you provide to us will be collected in order to contact you in the event of a safety incident, and to provide you with information and updates regarding CSBP's community and stakeholder involvement. If you do not disclose this personal information, we will not be able to provide you with these updates directly.

Our Privacy Policy (available at www.csbp.com.au/Home/Privacy) contains information about how you may access personal information we hold about you and seek the correction of such personal information; and information about how you may complain about a breach of the Australian Privacy Principles, and how we will deal with such a complaint.



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