



neutralising additive



application environment

Many waste, recycling, remediation, manufacturing and processing operations create odour. Non-treatment of odour release can pose a serious nuisance to neighbouring communities and employees. The likely reaction to complaint if ignored, is that it can lead to considerable negative impact on the operator. Complaints, authority investigation and noncompliance with air pollution regulations are issues that operators cannot afford to ignore. They can lead to operating restrictions, costly fines, bad publicity and even closure. Apart from potential prosecution, operational inefficiencies can arise from increased levels of staff absenteeism because of illnesses caused by airborne pollutants.

product aim

Air Spectrum's **odr** range of odour neutralisers and fragranced products are specifically designed to negate the threat of these issues, by controlling odour in any environment. Their primary function is to neutralise odour before it leaves the site boundary or processing outlet. Operators using **odr** protect their neighbours from exposure to annoying smells, eliminating the possibility of complaint or investigation and ensuring compliance with air pollution regulations.

what is odr?

odr is a best-selling range of organic, non-toxic, foodgrade odour neutralisers using bio-degradable essential oils collected from sustainable resources. By working in 5 ways, **odr** odour neutraliser offers comprehensive and highly effective odour neutralisation which actually breaks down and removes odours from the air, rather than masking them, or hiding them with surfactant technology. There is a type of **odr** for every application (see overleaf for details of the full range).

When used in Air Spectrum's odour control systems, the appropriate **odr** from the range is efficiently atomised to produce a very fine mist. The mist interacts with the odour particles for a sufficient time to neutralise them. Having absorbed the odorous components, **odr** breaks down the molecular structure to form harmless, nonvolatile salts that degrade naturally.

The non-toxic and food-grade nature of **odr** allows it to be used both in outdoor environments and within buildings. It is harmless to humans and animals and will not cause irritation or health complaints.

For more information contact:

Local Agent

MSN Engineering (Pvt) Ltd

Tel : +94 716928777 / Fax : +94 (0) 2927303

www.msnengineers.com



working in 5 ways

Pairing	odr contains substances which will chemically pair with odorous compounds, changing the properties of the odour molecule, rendering it odourless.
Oxidation	Odour molecules can be oxidised to produce an odourless solution. A combination of oxygen, odr and hydrogen ions generates a safe reaction, resulting in odour neutralisation.
Adsorption	Certain odorous molecules will attach themselves to odr neutraliser, generating a minute energy charge that partly neutralises their odour and adsorbs them into a larger odourless compound.
Absorption	Certain odour compounds dissolve into odr neutraliser, losing their odour in the process.
Combination	odr odour neutraliser combines with certain odorous molecules, changing their structure to generate new molecules that are environmentally friendly and completely odourless.



For light odour problems

For use where light or intermittent odour is a problem in workplaces, such as composting facilities or landfill sites. Available in a variety of fragrances.



For high levels of odour problems

For use where there are high levels of odour on an intermittent or constant basis, such as in food processing and manufacturing facilities. Available in a non-fragranced, natural form, or in our standard range of fragrances.



For heavier odour problems

For use in facilities where higher levels of neutralisation are required, such as waste-transfer stations. Available in a variety of fragrances.



For super-strength odour abatement

For use in locations where odour levels are extremely high and where hydrocarbons and mercaptans may be present, including oil refineries, high-odour manufacturing, abattoirs and effluent plants. Available in non-fragranced, natural form only.



For constant odour problems

For use where there is a constant stream of odour, such as at landfill sites, causing discomfort to employees and neighbours. Available in a non-fragranced, natural form, or in our standard range of fragrances.



For ultra-strength odour abatement

For use in locations where odour levels are extremely high and where hydrocarbons and mercaptans may be present, including oil refineries, high-odour manufacturing, abattoirs and effluent plants. Available in non-fragranced, natural form only.

Fragrance options

odr 1-2 are available in fragranced form only

odr 3-4 are available in fragranced or non-fragranced (natural) forms

odr 5-6 are available in non-fragranced (natural) form only

Fragrances available for odr 1-4

Pine • Eucalyptus • Orange • Bubblegum • Vanilla • Strawberry
Green Grass • Cherry • Lemon • Peppermint • Cotton Fresh



A new bespoke neutraliser, available in cotton fresh fragrance, that is specially designed and chemically developed to produce positive results from problematic sites, such as landfill, composting sites, effluent treatment and food processing, where the odour is more complicated and elevated. It is an organic, non-toxic food-grade only neutraliser that uses essential oils from sustainable resources.

Air Spectrum Environmental Ltd is the leading supplier of odour control and dust suppression systems and services; supplying an extensive range of liquid odour neutralisers and dust suppression additives to both UK and International markets.

Air Spectrum operates to the highest standards and is accredited by a number of professional bodies. These include ISO 9001 quality standards accreditation as well as international environmental standard ISO 14001 accreditation.

For more information contact:

Local Agent

MSN Engineering (Pvt) Ltd

Tel : +94 716928777 / Fax : +94 (0) 2927303

www.msnengineers.com

