

Additives Liquid Neutralisers



Odr neutralising additive: working in 5 ways

Odr is typically pre-diluted and then atomised into a fine-mist, using one of Air Spectrum's misting units, to combat odours in 5 different ways:

- 1. Pairing** Odr contains substances which will chemically pair with odorous compounds, changing the properties of the odour molecule, rendering it odourless.
- 2. 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.
- 3. 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.
- 4. Absorption** Certain odour compounds dissolve into Odr neutraliser, losing their odour in the process.
- 5. Combination** Odr odour neutraliser combines with certain odorous molecules, changing their structure to generate new molecules that are environmentally friendly and completely odourless.

By working in 5 ways, Odr odour neutraliser offers comprehensive and highly effective odour neutralisation which actually breaks down and removes odours, rather than masking them, or hiding them with surfactant technology.

For more information contact:
E: Enquiry@AirSpectrum.com
T: +44(0)1905 362100
F: +44(0)1905 362101

Odr
NEUTRALISING
ADDITIVES

Features:

- More effective by working in more ways
- Non-toxic
- Food-grade
- Biodegradable
- Non-corrosive
- Odourless

Ideal for:

- Food Processing / Manufacturing
 - Composting
 - Remediation
 - Waste Management
- and many more applications



www.AirSpectrum.com

Additives

Liquid Neutralisers



Odr neutralising additives

Odr

NEUTRALISING
ADDITIVES

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 non-compliance 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 is specifically designed to negate the threat of these issues, by controlling odour in any environment. Its 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.

How it works

Odr is a best-selling range of organic, non-toxic, food-grade odour neutralisers using bio-degradable essential oils collected from sustainable resources. Some *Odr* types are fragranced, but unlike masking chemicals that can cause greater environmental problems than they resolve, *Odr* neutralises malodour by removing it from the air. 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, non-volatile 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.



www.AirSpectrum.com

Odr¹
NEUTRALISING
ADDITIVE

Odr1 – for light odour problems.
A neutraliser 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.

Odr²
NEUTRALISING
ADDITIVE

Odr2 – for heavier odour problems.
A neutraliser for use in facilities where higher levels of neutralisation are required, such as waste-transfer stations. Available in a variety of fragrances.

Odr³
NEUTRALISING
ADDITIVE

Odr3 – for constant odour problems.
A neutraliser 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.

Odr⁴
NEUTRALISING
ADDITIVE

Odr4 – for high levels of odour problems.
A neutraliser 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.

Odr⁵⁺
NEUTRALISING
ADDITIVE

Odr5+ – for super-strength odour abatement.
A neutraliser for use in locations where odour levels are extremely high and where hydrocarbons and mecaptans may be present, including oil refineries, high-odour manufacturing, abattoirs and effluent plants. Available in non-fragranced, Natural form only.

Odr⁶⁺
NEUTRALISING
ADDITIVE

Odr6+ – for ultra-strength odour abatement.
A neutraliser for use in locations where odour levels are extremely high and where hydrocarbons and mecaptans may be present, including oil refineries, high-odour manufacturing, abattoirs and effluent plants. Available in non-fragranced, Natural form only.

Odr⁷⁺
NEUTRALISING
ADDITIVE

Odr7+ – for the highest level of odour abatement. A neutraliser for use where odour levels are constant and where hydrocarbons and mecaptans may be present, including oil refineries, high odour manufacturing, abattoirs and effluent plants. Available in non-fragranced, Natural form only.

Air Spectrum can also tailor odour control products for other specific purposes – please contact us for discuss your requirements.

For more information contact:
E: Enquiry@AirSpectrum.com
T: +44(0)1905 362100
F: +44(0)1905 362101
or visit us at:
www.AirSpectrum.com



Fragrance options

Odr 1-2 are available in fragranced form only

Odr 3-4 are available in fragranced, Natural or non-fragranced (Natural) options

Odr 5-7 are available in non-fragranced (Natural) form only.

Fragrances available for Odr 1-4 are:

- Pine
- Eucalyptus
- Orange
- Bubblegum
- Vanilla
- Strawberry
- Green Grass
- Cherry
- Lemon
- Peppermint