



NEUTRAL +

by **BIOEX**

Toxic vapour suppressing agent

▶ Usable at 6%

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EFFECTIVENESS

NEUTRAL PLUS is specially designed to suppress toxic vapours that are characterised by the release into the atmosphere of gaseous substances.

They can be of varying origins:

- Pressurised gas: phosgene, ethylene oxide, vinyl chloride, ammonia or even chlorine, etc.
- Decomposition by contact with water: $TiCl_4$, $POCl_3$, $SOCl_2$...
- Thermal reaction: silanes ...
- Concentrated solutions: hydrochloric acid, ammonia...

These solvents have a high destructive capability of fire-fighting foams. In some cases, the application of conventional foams is strongly discouraged as the reaction can be violent. Specially formulated, the foam produced using **NEUTRAL PLUS** makes it possible to create a sealed barrier to control the release of toxic gas. It must be continually renewed until the product has been collected.

Especially useful in unloading zones, **NEUTRAL PLUS** for example makes it possible to control a leak while waiting for the emergency services to get organised and for the substance to be pumped.

PERFORMANCES

USE ON NON-REACTIVE PRODUCTS:

NEUTRAL PLUS must be applied using Medium expansion: anhydrous acids and water based solutions, alkalis, amines, ammonia...

The minimum recommended application is 10 l/m².min.

The foam mat should be produced at a height of 50 cm and regularly renewed to maintain the mat until the leak is controlled and the spillage recovered.

USE ON REACTIVE PRODUCTS:

NEUTRAL PLUS must be applied using Medium Expansion.

The minimum recommended application is 20 l/m².min.

Once the vapours are under control, a coating of at least 50 centimetres must be maintained.

A case by case expertise is required to guarantee the effectiveness of the product.

CERTIFICATES & COMPLIANCES:

- Live miniature tests on customer sites.

FEATURE:

- Usable à 6%.

WARRANTY:

- 5 years.

THEY HAVE CHOSEN NEUTRAL PLUS:

Chemical and pharmaceutical industry.

ENVIRONMENT

The selected raw materials have a minimum impact on the environment.

| NEUTRAL PLUS IS EFFECTIVE ON (NON EXHAUSTIVE LIST): | | |
|---|--------------------------|------------------------|
| ACIDS | ALKALIS | REAGENTS |
| Acetic | Alkylamines | Bromine |
| Alkyl sulfonates | Ammonia (gas) | Chlorine (gas) |
| Hydrobromic | Ethylamine (1, di, tri) | Chlorosilanes |
| Hydrochloric | Ethylene Diamine | Chlorine Dioxide |
| Hydrofluoric | Hydrazine | Sulphur dichloride |
| Nitric | Methylamine (1, di, tri) | Propylene oxide |
| Phosphoric | Potash | Titanium tetrachloride |
| Sulphuric | Pyridine | Toluene Diisocyanate |
| | Soda | Phosphor trichloride |



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