

### DESCRIPTION

NEUTRAL PLUS is a synthetic foam concentrate usable at 6% to neutralize acid and alkaline gaseous vapours.

NEUTRAL PLUS is based on a unique combination of surfactants and foam stabilisers. After application, NEUTRAL PLUS foam makes a stable barrier impervious to toxic vapours.

▲ **Foaming power** : NEUTRAL PLUS is usable at Low and Medium Expansion (see "APPLICATIONS").

▲ **Environment** : NEUTRAL PLUS is easily biodegradable.



NEUTRAL PLUS was found totally efficient over ( List extensive ) :

ACIDS	ALKALIS	REACTIVES
HydroChloric	Ammoniac (gas)	Titanium TetraChloride
Sulfuric	Methylamine (1, di, tri)	Sulfur DiChloride
Nitric	Ethylamine (1, di, tri)	PhosphorusTriChloride
Phosphoric	Ethylene diamine	Chlorine (gas)
Fluorhydric	Hydrazine	Propylene Oxide
Acetic	Pyridine	ToluyDiIsocyanate
Bromhydric	Alkylamines	Chlorine Dioxide
AlkylSulfonic	Caustic soda	Bromine
	Potassium hydroxide	AlkylChloroSilanes



### PHYSICAL DATA

Appearance	orange gel
Specific gravity at 20°C	1.06 ± 0.02 Kg/dm <sup>3</sup>
pH at 20°C	7.0 ± 1.0
Viscosity* at 20°C	1300 ± 200 mPa.s
Sediments	< 0.1 %
Freezing point	- 13°C
Temperature of use	- 10°C / + 50°C

\* Viscometer Brookfield ; spindle #4 ; 60 rpm

### FOAM QUALITY AT 6 %

Low Expansion	>7*
Drainage time 25 %	> 10 minutes
Medium Expansion	> 50*

\* Foam expansion values depend on the equipment

### APPLICATIONS

#### ▲ Non reactive chemicals

NEUTRAL PLUS should be applied at Medium Expansion over non reactive chemicals (acids and their aqueous solutions), amines, ammonia...

Minimum application rate : 10 l/m<sup>2</sup>.mn.

Foam blanket should be of 50cm high - at least - and continuously renewed until spill control.

#### ▲ Reactive chemicals

NEUTRAL PLUS should be applied over reactive chemicals Medium Expansion.

Minimum application rate : 20 l/m<sup>2</sup>.mn. Once vapours are neutralized, maintain a blanket at least 50 centimeters thick.

NEUTRAL PLUS should be used only with tap water.

It is suitable with all kinds of known equipment.

### WARRANTY & SERVICES

NEUTRAL PLUS has a 5 years warranty in its original packaging and at storage temperatures -30°C/+60°C.

Our Quality Control Laboratory offers its analytical expertise BIO-LAB.

Safety Data and Environment Data are available upon request : [contact@bio-ex.fr](mailto:contact@bio-ex.fr)