



## **GRAMOS 64R Ref: 1008 TECHNICAL DATA SHEET**

### **Introduction:**

GRAMOS 64R is a liquid preparation consisting of a solution of alkalis formulated for use as an additive for spray booth water treatment where mixed paint is consumed. As GRAMOS 64R is a liquid the disadvantages associated with dissolving powder are eliminated. GRAMOS 64R has been developed for the treatment of over spray paint in paint spray booths, particularly of the conventional pump type. Interaction between the over spray paint and the GRAMOS 64R solution in the spray booth ensures that washing chambers, plates and pipe work of the spray booth require less frequent cleaning and the treated paint will float in a conventional denatured non-sticky form for easy removal.

### **Operation:**

The system consists of single component liquid based formulation, which is dosed into the water of the spray booth and on mixing pH of water raises above 9 to give efficient performance.

### **Initial charge:**

For introduction of GRAMOS 64R it will be advisable to clean the booth and sludge pit. Replace the booth water with fresh industrial water. Start the water circulation. GRAMOS 64R should preferably be added to a turbulent area of the reservoir, usually at the rate of 1-2 Liters / KL of water in circulation. An initial pH of about 10 will be obtained but this will fall on Initial interaction with the paint over spray.

### **Dosing:**

Replenishment will depend on the paint consumption, assuming 40% overspray paint contamination in the booth water, generally a pH of 9-10 should be maintained by frequent small addition of GRAMOS 64R. Recommended doses are @ 3-5 % of spray viscosity paints consumption.

Where suitable facilities are available a more accurate concentration control by titration can be achieved. Pipette 25ml of the additive solution into a conical flask; add an approximately equal volume of tap water and a few drops of phenolphthalein indicator. Titrate with N/10 acid to first disappearance of the pink coloration. For a solution of 6ml/lit GRAMOS 64R the titer should be  $9 \pm 1$ mls of N/10 HCL.

GRAMOS 64R is a liquid formulation suitable to use with automatic dosing system which may in turn be linked to an electronic pH or conductivity meter. In addition, the dosing pump may be supplied either from a bulk tank or from two conveniently placed barrels equipped with contents measurement probes which will automatically switch pump feed from one barrel to the other when the first barrel is empty and indicates such a change has taken place. It is also advisable to remove denatured paint collected into the sludge pit at regular interval for better performance. Final dosing and recommendation will be decided after one-month trials of individual sludge pit.

Such system may be operated almost maintenance free and eliminate the need for operators to manhandle GRAMOS 64R. Our Technical staff is available to provide more detailed information.

### **Conclusion:**

In developing the system, M/s. GRAMOS CHEMICALS INDIA PRIVATE LIMITED has been able to draw from the wealth of expertise and knowledge from our parent company over 30 years experience as manufacturing denaturant systems for all types of United Kingdom industries & 10 years Indian Industries that incorporate paint in their process.

The ability to call on this expertise and knowledge has resulted in the development of the Gramos 64 R denaturing system, which has the following benefits:

1. Effective bacteria and odour control.
2. Very effective denaturing - waste paint solids has low water retention.
3. Potential cost savings over other systems using more than single components.

Dosing and recommendation are given by Gramos own Technical Service and Sales Team while conducting initial trials, leaving the users only to monitor systems.

**Packing:**

20 Liters plastic container

Note: Standard specification may be supplied on request, which needs to confirm by customer before release of order.

**Warranty:**

It should be appreciated that the information given here is to the best of our knowledge, true and accurate. Since the conditions under which our products are used are beyond our control, recommendations are made without warranty or guarantee.

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