



TRANSFORMER MAINTENANCE SOLUTIONS

P/L

MSDS FACT SHEET

Transformer Maintenance Solutions Pty has handled and had feed back from clients that have either used or are currently testing the following Silica Gels¹ in the field. The appropriate MSDS sheets for the products and the indicating chemical are also included with this booklet.

1) BLUE INDICATING SILICA GEL

The original Blue to pink colour change. Beaded form and structurally strong, low dusting and has the highest moisture intake to colour change percentage. Blue Indicating is the least expensive and is non hazardous according to the criteria of NOHSC and has EPA NSW and QLD sanction for disposal into landfill.

2) SELF INDICATING ORANGE

Orange to dark green colour change. Beaded form and structurally strong, low dusting and has good moisture intake to colour change percentage but lower than item 1 and is slightly more expensive. Classed as non hazardous according to the criteria of NOHSC and it can be disposed of into landfill.

3) SORBSIL "C"

Orange to a yellowish/white colour change. Rock form and structurally weaker under constant vibration locations which causes high dusting. Lower moisture intake to colour change percentage than items 1 and 2 and more expensive. Classed as non hazardous according to the criteria of NOHSC and it can be disposed of into landfill.

4) SORBEAD ORANGE

Orange to white/clear colour change. Beaded form and structurally weaker under constant vibration locations which causes high dusting and tends to break down when saturated. The lowest percentage indicator change to moisture intake of all 4 items. This product is considerably more expensive than all of the above items without any benefits. Disposal requirements are unknown.

In summary, our experience and opinion is that Blue Indicating Silica Gel is the best product for higher moisture intake to colour change, durability and most economical, followed by Items 2, 3 and 4

Utilisation of Transformer Maintenance Solutions new EZI-DRY Breathers within your system with the Silica gel of your choice will achieve an economical and OH&S compliant solution to your Transformer Breather maintenance as well as correct disposal of the product when required. There is no handling of the gel in the disposable units (hence no PPE required) and we offer a cost effective rebuild service for all our larger units thus eliminating any handling or disposal problems.

¹ The information is derived from: Wetting for indicator colour change, dusting and handling, Moisture capacity (weight) and field tests.