

GRAPHOX TREATMENT

HEALTH & SAFETY INFORMATION

1. MATERIAL IDENTIFICATION	
Name:	GRAPHOX TREATMENT
Supplied By:	TOKAI CARBON UK LTD
Telephone: (including emergencies)	0121 552 5577
Fax:	0121 662 6748

2. INFORMATION ON INGREDIENTS		
Potentially Hazardous Component	Concentration (%)	CAS No.
aluminium dihydrogen orthophosphate	>90	13530-50-2

3. HAZARDS IDENTIFICATION
Xi Irritant. Irritating to eyes, respiratory system & skin.

4. FIRST AID MEASURES		
	Symptoms / Hazard	Action
Eyes:	Irritation, redness and watering.	Wash immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin:	Irritation and redness.	Wash with water. Seek medical attention if irritation persists.
Ingestion:	Nausea.	SEEK IMMEDIATE MEDICAL ATTENTION. Do not induce vomiting.
Inhalation:	Irritation to nasal passages if inhaled as dust	Remove to fresh air. Seek medical attention if any ill effects are felt or persist.

5. FIRE FIGHTING MEASURES	
Flammability:	Product is non-flammable.
Extinguish Using:	Dependent on cause and source of fire.
Do NOT Use:	Not applicable
Hazards present in case of fire:	None from product
Precautions for fire-fighters:	Wear breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES	
Precautions:	Wear suitable protective clothing, gloves and eye/face protection. Ensure adequate ventilation.
Environmental:	Prevent entry into drains. If product enters drains or contaminates soil or vegetation, dilute copiously with water and inform the relevant local authority immediately.
Treatment:	Absorb onto a neutral medium, such as sand, earth or granules and bag off for disposal.

7. HANDLING & STORAGE	
<p>Avoid contact with eyes and skin. Wear suitable protective clothing, gloves and eye/face protection. Do not breathe any dust produced. Do not eat or drink when using the product. Wash hands after use. Store away from strong alkalis.</p>	

8. EXPOSURE CONTROL / PERSONAL PROTECTION			
Engineering Controls:	These will depend on the particular installation in which the product is used. Avoid generation of inhalable dust.		
Protection of Eyes:	Safety glasses, goggles or face mask.		
Protection of Skin:	Rubber orPVC gloves, impermeable apron and boots.		
Respiratory Protection:	If LEV insufficient and inhalation of dust is possible.		
Exposure Limits:*	Ingredient	Concentration (%)	Limit
OES	Nuisance dust	<90	10 mg/m ³ LTEL (Total Inhalable dust) 4 mg/m ³ LTEL (Respirable dust)
<p>* MEL = Maximum Exposure Limit (EH40) LTEL = long-term exposure limit OES = Occupational Exposure Limit (EH40) STEL = short-term exposure limit SRL=Supplier's Recommended Limit Sk = can be absorbed through skin</p>			

9. PHYSICAL & CHEMICAL PROPERTIES	
Appearance:	White powder/solid
Odour:	Odourless.
Melting Point	Ca 1700 °C
Solubility/miscibility:	Soluble in water
Flammability:	Non-flammable.

10. STABILITY & REACTIVITY	
Conditions to Avoid:	Avoid creating dust when handling/working on treated components
Materials to Avoid:	Strong alkalis.
Decomposition Products:	Not applicable.

11. TOXICOLOGICAL INFORMATION	
Eyes:	Irritant
Skin:	Irritant
Inhalation:	Irritation to eyes, nose and throat if inhaled as powder. Avoid creating dust when handling coating
Ingestion:	Not appropriate to this material & its normal mode of use.

12. ECOLOGICAL INFORMATION
Product contains aluminium and phosphate ions. Phosphates can act as plant nutrients.

13. DISPOSAL CONSIDERATIONS
Prospective Users of this product should contact their local water authority in order to ascertain their requirements for waste arising from this type of material. This will normally include the pH, metals and solids content of trade effluent. If it is required to dispose of a quantity of the supplied material, the services of a suitable waste disposal contractor should be employed.

14. TRANSPORT INFORMATION			
UN	Class	Packing Group	ADR
NONE			

15. REGULATORY INFORMATION

CHIP Label:

Irritant R36/37/38, S24/25, contains aluminium dihydrogen orthophosphate

This Health & Safety Information sheet has been prepared according to the requirements of Directive 91/155/EEC.

Users should also consider the requirements of the Control of Substances Hazardous to Health Regulations (COSHH), the Health & Safety at Work Act and the Environmental Protection Act (EPA).

Users should also note that this Health & Safety Information sheet may be used as an aid in preparing risk assessments, but its possession does not remove the need for such assessments to be carried out.

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 2 & 3

R36/37/38 Irritating to eyes, respiratory system & skin.