

MANUFACTURERS SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

- a) Name of substance or preparation: **GPS Fire Fighting Powder**
- b) Name and address of suppliers: Thomas Glover & Company
Parkfield House
Manchester Old Road
Middleton
Manchester
M24 4DY
United Kingdom
Tel: +44 (0) 161 654 2222
Fax: +44 (0) 161 654 4317
- c) Emergency Telephone Number +44 (0) 1932 785588

2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients with CAS No in decreasing %:

Ammonium sulphate 7783-20-2
Monoammonium phosphate 7722-76-1
Attapulgite clay 12174-11-7
Potassium aluminium silicate 1318-94-1
Silicon dioxide 7631-86-9
Methyl hydrogen polysiloxane 63148-57-2
Pigment

3: HAZARDS IDENTIFICATION

Inhalation: fine powder. Can cause breathing problems.
Skin contact: can cause irritation.
Eye contact: can cause irritation.
Ingestion: non-toxic, but may cause sickness.

4: FIRST-AID MEASURES

- a) Inhalation: may cause irritation to mouth, nose and throat, and coughing and sneezing. May aggravate existing breathing problems. Remove victim to fresh air, carry out artificial respiration if necessary. Call doctor.
- b) Skin contact: can cause irritation by removing natural oils from skin, particularly with sensitive skin. Wash off skin immediately with soap and water.
- c) Eye contact: may cause irritation. Wash for 15 minutes with water. Summon medical help if symptoms persist.
- d) Ingestion: non-toxic but may cause discomfort or sickness. Summon medical help if symptoms persist. Drink plenty of water.

5: FIRE-FIGHTING MEASURES

- a) Suitable extinguishing media: GPS is a fire fighting medium, non flammable

- b) Extinguishing media that must not be used: none known
- c) Special exposure hazards: none known
- d) Special protective equipment for fire-fighters: dust masks if powder is dispersed in air at fire scene.

6: ACCIDENTAL RELEASE MEASURES

- a) Personal precautions: wear dust mask, goggles, gloves and overalls.
- b) Environmental precautions: prevent fine powder from blowing into air by covering with plastic sheet or similar.
- c) Methods for cleaning up: vacuum, sweep up, place in containers and dispose of correctly.

7: HANDLING AND STORAGE

- a) Precautions for safe handling: wear protective clothing, including dust mask. Do not allow powder to be blown by wind or air currents.
- b) Conditions for safe storage: store in sealed containers in cool dry place. Containers should be maintained in good condition.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- a) Respiratory protection: dust mask to be worn
- b) Hand protection: gloves to be worn
- c) Eye protection: goggles to be worn
- d) Skin protection: overalls to be worn
- e) Exposure limits: Long term exposure limit (8 hour TWA):
Short term exposure limit (10 minutes):

9: PHYSICAL AND CHEMICAL PROPERTIES

- a) Appearance: fine peach powder
- b) Odour: odourless
- c) pH: when water repellent coating removed and powder dissolved, pH = 4.6
- d) Boiling point/ boiling range: N/D
- e) Melting point/melting range: N/D
- f) Flash point: N/D
- g) Flammability (solid, gas): non-flammable
- h) Autoflammability: N/A
- i) Explosive properties: none known
- j) Oxidising properties: none known
- k) Vapour pressure: N/D
- l) Relative density: bulk density 0.87
- m) Solubility: insoluble due to water-repellent coating
- n) Partition coefficient: n-octanol/water: N/D
- o) other data:

10: STABILITY AND REACTIVITY

- a) Stability of the substance: stable within temperature range given on label.
- b) Conditions to avoid: damp, high or low temperatures (outside range on label). Pressure on powder could cause caking and lumping.
- c) Materials to avoid: potassium and ammonium nitrate, potassium chlorate, potassium nitrite, sodium hypochlorite.
- d) Hazardous decomposition products: depending on circumstances can emit ammonia, oxides of phosphorus, or oxides of sulphur.

11: TOXICOLOGICAL INFORMATION

Non-toxic.

Ammonium sulphate and mono-ammonium phosphate are used as food additives.

12: ECOLOGICAL INFORMATION

- a) Mobility: very mobile product in soils.
- b) Destination of the product: ultimate destination, water.
- c) Short and long term effects on ecotoxicity: EC50 (Daphnia magna) /24h
1340 mg/l
- d) Other adverse effects: LC50 (fish; Phoxinus) /96h 155ppm
thermal decomposition on heating.

13: DISPOSAL CONSIDERATIONS

Material may be disposed of to waste without special treatment or notification.

14: TRANSPORT INFORMATION

Do not expose powder to excessive pressure when transporting, to prevent caking and lumping.
Do not allow powder to get wet or damp.

15: REGULATORY INFORMATION

The information contained within this manufacturers safety data sheet does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation.

16: OTHER INFORMATION

- a) Training advice: Thomas Glover offer a range of courses to assist users.
- b) Recommended uses and restrictions: for use on fires of classes A, B and C.
- c) Further information: see product data sheet.
- d) Sources of key data used to compile data sheet: