

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : PHOSPHOROUS ACID (F400)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use : Fertilizer

1.3 Details of the supplier of the safety data sheet

Supplier : HUMIBOX (M) SDN. BHD.
Lot 1033, Tingkat 3, Batu 7,
Jalan Ipoh, 68100, Batu Caves,
Selangor D.E., Malaysia.
Tel: +603-6185 1898

2. Composition/information on ingredients

This is a proprietary fertiliser formulation and all ingredients as formulated are determined not to be hazardous.

2.1 Ingredient

<u>Ingredient</u>	<u>Concentration (%)</u>
Phosphorous (phosphonic) acid	40

3. Hazards identification

This product is not considered as a dangerous good.

Poisons Schedule (Australian): Not listed in SUSMP

Globally Harmonised System: Not a Hazardous according to the criteria of the GHS Classification and Safe Work Australia code of practice, preparation of Safety Data Sheets for hazardous chemicals.

Hazard Category Non-hazardous substance, Non-dangerous goods,

Pictograms None allocated

Signal word None allocated

Hazard Statements None allocated

Precautionary Statements None allocated

4. First aid measures

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call the Poison Information Centre Australia or a doctor for treatment advice.

If on skin: No known significant effects or critical hazards.

If inhaled: Avoid breathing mist, spray or vapour. If inhaled, remove to fresh air. Employ artificial respiration if indicated. Get medical attention.

If swallowed: Rinse mouth with water. Do NOT induce vomiting unless told to do so by a medical doctor. Drink plenty of water / milk if possible. Never give anything by the mouth to an unconscious patient. Seek medical advice..

Have the product container or label with you when calling the Poison Information Centre or a doctor or going for treatment.

5. Fire-fighting measures

This is not a flammable material.

Flash Point: Not available

Auto-ignition Temperature: Not available

Flammability Limits: Not available

Special Fire Fighting Procedures: Fire-fighters should wear approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Suitable for most extinguishing media.

Hazardous Decomposition Materials (Under Fire Conditions): This is not a flammable product. In smoke or fumes wear self-contained breathing apparatus. Advise fire brigade of any hazards.

6. Accidental release measures

Personal Precautions: Wear appropriate protective gear for the situation.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods for Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Pump any free liquid into an appropriate closed container. Collect washings for disposal. Decontaminate tools and equipment following cleanup.

Other Information: Large spills may be reportable to the state and/or local regulatory agencies.

7. HANDLING AND STORAGE

6.3 Methods and material for containment and cleaning up

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Clean up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage. Cautiously neutralize spilled liquid. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing vapour or spray mist. Avoid contact with eyes, skin or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Store in a dry, cool place. Store away from extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

8. Exposure controls/personal protection

8.1 Control parameters

There are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency.

8.2 Exposure controls

Eye/Face Protection	Chemical safety goggles and face shield.
Skin Protection	Wear suitable protective clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
General Hygiene Considerations	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2)

wash hands and face carefully before eating, drinking, using tobacco, applying cosmetic or using the toilet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear blue liquid

Boiling Point: 105.5°C

Solubility in Water: Soluble

Specific Gravity 1.34 – 1.36

pH: 5.5 – 6.0

Evaporation Rate: Not available

Vapor Density: Not available

Vapor Pressure: Not available

10. Stability and reactivity

10.1 Reactivity

Reactive

10.2 Chemical stability

Stable under normal handling and storage conditions

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Extremely high or low temperatures and incompatible materials.

10.5 Incompatible materials

Caustic products. Metals. Bleaching agents. Ammonia.

10.6 Hazardous decomposition products

Thermal decomposition generates: Corrosive vapors.

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity: Not classified

Acute dermal toxicity: Not classified

Acute Inhalation toxicity: Not classified

Skin irritation: Causes severe skin burns.

Eye irritation: Causes serious eye damage.

Carcinogenicity/Chronic Health Effects: Not classified

12. Ecological information

12.1 Toxicity



General: Harmful to aquatic life.

12.2 Persistence and degradability

Not established

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

Not available

13. Disposal considerations

13.1 Waste treatment methods

In accordance with local and national regulations.

13.2 Disposal of packaging

Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

14. Transport information

It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilizers during transport. Follow the precautions indicated in this SDS, section 7: Handling and storage.

14.1 UN number

Not available

14.2 Proper shipping name

Not available

14.3 Transport Hazard Class

Class 8

14.4 Packaging group

Packing Group III

14.5 Environmental hazards

No available

15. Regulatory information

15.1 Chemical safety assessment

See Section 2 for Risk and hazard phrase

15.2 Packaging and labelling



Malaysia Regulation: Harmful. Keep away from foodstuff and children. Read the label before use.

16. Other information

This data sheet is intended to provide general information. The suitability of this product for any particular application depends upon many factors which are beyond the control of Humibox (M) Sdn. Bhd. Humibox makes no warranties, representations or guarantees as to the suitability of this product for the particular application of the purchaser. Humibox hereby disclaims any responsibility for any loss or damage whatsoever arising from the use of this product or reliance in whole or in part on this Data Sheet.