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FLAMEGUARD

Safety Data Sheet

1. Identification of the Substance/Preparation and of the Company/Undertaking

Preparation: Flameguard

Company: Lortas Road
New Basford
Nottingham
Nottinghamshire
NG5 1EH

Emergency Telephone: 0115 9738708

2. Composition/Information on Ingredients

Chemical Description: Aqueous solution of ammonium sulphamate, urea and other components.

Hazardous Components: Ammonium sulphamate (EC No: 231-871-7) < 50%
Urea, other components and water Up to 100%

The hazardous components are not present in sufficient concentration for the product to require classification under EC Directive 1999/45/EC and subsequent amendments.

3. Hazards Identification

Human Health Effects: Inhalation and skin contact are expected to be the primary routes of exposure. The product may cause mild irritation to the eyes and skin.

Environmental Effects: On the basis of available information, this product is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

Issue Number: 3
Replacing Issue Number: 2

Date: December 2004
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4. First Aid Measures

Skin Contact:	Remove contaminated clothing. In the event of contact with the skin, remove excess product with a clean cloth; clean skin with water (or soap and water). If irritation persists or if any sign of tissue damage is apparent, obtain medical advice immediately.
Eye Contact:	In the event of contact with eyes, irrigate copiously with water for at least ten minutes; obtain medical advice immediately if irritation persists or there is any tissue damage.
Inhalation:	In the event of excessive inhalation remove the individual to fresh air and keep at rest; obtain medical advice immediately.
Ingestion:	In the event of accidental ingestion, rinse mouth with water; give up to 1 tumbler (½ pint) of milk or water to drink; obtain medical advice immediately.

5. Fire Fighting Measures

Extinguishing Media:	Dry powder, carbon dioxide, foam or water spray.
Exposure Hazards:	Difficult to ignite but in a fire situation the product will burn if dried out giving off toxic fumes. For decomposition products see Section 10. As the product contains water, the potential for electric shorting exists.
Protective Equipment:	Fire fighters and others exposed, wear self contained breathing apparatus.

6. Accidental Release Measures

Personal Precautions:	Use personal protection recommended in Section 8. Avoid breathing fumes/mists.
Environmental Precautions:	Do not allow to enter drains and water courses. If sewers become contaminated contact Local Water Authority and Police. Should product enter other waterways inform the Environment Agency.
Methods for Cleaning Up:	Absorb onto sand. Drums leaking near base may be inverted. For disposal see Section 13.

7. Handling and Storage

Handling:	Handle in a well ventilated area. Avoid contact with eyes and skin. Avoid breathing mist.
Storage:	Store in closed containers in a cool dry place and replace lid after use.

8. Exposure Controls/Personal Protection

Engineering Measures:	Ensure adequate ventilation.
Occupational Exposure Limits (EH40):	<u>Ammonium sulphamidate (solid)</u> 10 mg/m ³ - 8 hour TWA 20 mg/m ³ - 15 min. ref. period
Eyes:	Goggles.
Respiratory Protection:	Not normally required.
Hand Protection:	Wear impermeable gloves.
Skin Protection:	Wear suitable protective clothing.

9. Physical and Chemical Properties

Appearance:	Clear, colourless liquid.
Boiling Point:	> 100°C
Flash Point Closed Cup:	Above 65°C.
pH:	4.5 – 6.5
Soluble in:	Water.

10. Stability and Reactivity

Conditions to Avoid:	Contact with alkalis and strong oxidising agents.
Hazardous Decomposition Products:	Ammonia, oxides of nitrogen and sulphur may be released on drying out and burning or heating to decomposition.

11. Toxicological Information

Laboratory Data:	<u>Ammonium sulphamate solution</u> This product has not been tested for toxicity. It is not classified under 1999/45/EC and subsequent amendments.
Human Data:	<u>Ammonium sulphamate</u> Prolonged or repeated contact may cause skin irritation. Mildly irritating to the eyes. Dust or solution mist may irritate the respiratory system.

12. Ecological Information

Assessment: If properly handled, this material should not present a serious environmental hazard.

Test Results: BIP has not conducted environmental studies on this product. Data is available on some of the components.

Ammonium sulphamate

Limited studies indicate that ammonium sulphamate may be harmful to certain species of fish. Ammonium sulphamate hydrolyses over a period of several weeks, to ammonium sulphate, which is a plant nutrient.

13. Disposal Considerations

In accordance with the Environmental Protection Act (Duty of Care) Regulations 1991. Advice may be obtained from the Environment Agency.

14. Transport Information

Not classified according to Transport Regulations for Hazardous Goods.

15. Regulatory Information

Not classified as hazardous under EC Directive 1999/45/EC and subsequent amendments.

16. Other Information

Use: This product is used as a flame retardant in textile finishing.

If the product is used for any other purpose, the advice of BIP (Oldbury) Limited should be sought regarding additional hazards that may arise.

This Safety Data Sheet conforms to EC Directive 2001/58/EC

Whilst every care has been taken in the preparation of this data sheet, the same has been produced from information and data currently available to BIP (Oldbury) Limited at the date hereof; however, BIP cannot be responsible for any errors or omissions. If in any doubt, please consult BIP (Oldbury) Limited.