Safety Data Sheet

Flametect C

SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier

Product Name:	Flametect C
Substance / Mixture:	Mixture
CAS Registry Number:	n/a

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

Identified Uses:	Flame retardant

1.3 Details of the supplier of the safety data sheet

Company:	Eco-Sol Ltd
Address:	Cardiff House Cardiff Rd Barry, United Kingdom
Telephone:	+44 (0) 845 293 7770
E-mail:	sales@eco-sol.co.uk

1.4 Emergency telephone number

Emergency Phone:	+44 (0) 1495 240819

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

The product is not classified according to the CLP regulation.

2.1.3 Additional information

None.

2.2 Label Elements

This product does not need to be labelled in accordance with EC directives.

2.3 Other Hazards

None.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Aqueous mixture of ammonium salts

Component name (CAS)	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
Ammonium bromide (235-183-8)	5 – 15	H319, Eye Irrit. 2 See section 16 for full text of the H-phrases	[1]
Diammonium hydrogenorthophosphate (7783-28-0)	15 - 25	Not classed as hazardous	[1]

Type: [1] Constituent, [2] Impurity, [3] Stabilizing additive

SECTION 4: First Aid Measures

4.1 Description of first aid measures

If inhaled
Move person into fresh air. If not breathing give artificial respiration. If any symptoms persist obtain medical advice.
In case of skin contact
Wash off with soap and plenty of water.
In case of eye contact
Flush eyes with water or standard eye wash solution as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. If any symptoms persist obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed
Treat according to symptoms.

SECTION 5: Fire fighting measures

5.1 Extinguishing Media
Suitable extinguishing media: water spray, dry powder, foam, or CO_2.
Unsuitable extinguishing media: none known.

5.2 Special hazards arising from the substance or mixture
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. If heated the container may burst from increased pressure. High temperatures may liberate ammonia, corrosive and irritating vapours.

5.3 Advice for fire fighters
Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing.
Wear personal protective clothing as described in Section 8.

6.2 Environmental precautions
Collect and dispose of spillage as indicated in section 13. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up
Ventilate. Dam and absorb spillages with sand, earth or other absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections
Suitable personal protective clothing is described in Section 8.
Information regarding disposal can be found in Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Keep container tightly sealed. Provide appropriate exhaust ventilation in places where fumes are formed. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating/clean areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in sealed containers in a cool, dry, well-ventilated area. Storage at temperatures above 5°C. Protect from direct sunlight.

7.3 Specific end uses
Flame retardant

SECTION 8: Exposure controls / personal protection

8.1 Control parameters
Occupation exposure limits
No exposure limit value known.

8.2 Exposure controls
Occupational exposure controls
Provide appropriate exhaust ventilation at machinery and at places where fumes can be generated.

Protective and hygiene measures
Do not breathe vapour. When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use.
Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Eye / face protection
If safety assessment deems necessary, use a minimum of safety glasses with side shields (frame goggles) tested and approved under appropriate government standards such as EN 166 (EU) or NIOSH (US).

Skin protection
Handle with gloves. Suitable chemical resistant gloves should be used. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Wear appropriate protective clothing to prevent skin exposure.

Respiratory protection
Suitable face mask must be worn if exposed to vapour or aerosol.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
These values are provided as typical values, and should not be considered an absolute specification.

Physical state:	liquid
Colour:	colourless to light yellow
Odour:	mild
Odour threshold:	not determined
pH value:	~ 8
Melting point / freezing point:	not determined
Initial boiling point and boiling range:	100 °C
Flash point:	not determined
Evaporation rate:	not determined
Flammability (solid, gas):	not determined
Upper / lower flammability or exposure limits:	not applicable
Vapour pressure:	not determined
Vapour density:	not determined
Relative density:	not determined
Solubility:	fully soluble in water
Partition coefficient; n-octanol/water:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
Viscosity:	not determined

9.2 Other information
No specific data.

SECTION 10: Stability and reactivity

10.1 Reactivity
No decomposition if stored and used as directed. No specific reactivity hazards associated with this product.

10.2 Chemical stability
The product is stable if stored and handled as indicated.

10.3 Possibility of hazardous reactions
No hazardous reactions known.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Acids.

10.6 Hazardous decomposition products
Thermal decomposition or combustion may liberate ammonia, carbon oxides and other toxic gases/vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Component name	Test	Species	Result
Ammonium bromide	LD50 oral	Rat (male/female)	2714 mg/kg
Diammonium hydrogenorthophosphate	LD50 oral	Rat (male/female)	> 2000 mg/kg

Skin corrosion / irritation
Possible irritant with prolonged contact.

Respiratory or skin sensitisation
No data available.

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity – single exposure
No data available

Specific target organ toxicity – repeated exposure
No data available

Aspiration hazard

No data available

Other information
No data available

SECTION 12: Ecological information

12.1 Toxicity

Component name	Test	Species	Result
Ammonium bromide	OECD203 (96hr)	Juvenile turbot	NOEC > 440 mg/l
Diammonium hydrogenorthophosphate	OECD203 (96hr)	Rainbow Trout	LC50 > 100mg/l

12.2 Persistence and degradability
Readily biodegradable.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
The product is soluble in water.

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required / not conducted.

12.6 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal
Disposal must be made according to official regulations. Offer surplus and non-recyclable material to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Packaging
Contaminated packaging that cannot be cleaned should be disposed of in the same manner as the contents.

Other information
Do not let the product enter drains.

SECTION 14: Transport Information

	ADR/RID	IMDG	IATA
14.1 UN number			
14.2 UN proper shipping name	Not hazardous goods	Not hazardous goods	Not hazardous goods
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental Hazards			

14.6 Special precautions for user
No further relevant information available.

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations / legislation for the substance or mixture

No data available

15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

SECTION 16: Additional information

The above information is believed to be correct but does not purport to be all inclusive, and shall be used only as a guide. ECO-SOL Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Full text of abbreviated H-statements: H319 Causes serious eye irritation

Revision history:

04-January-2018 V1.0 Created CLP compliant SDS.