

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** BETASANA SC  
**Use / description of product:** Herbicide  
**Company name:** United Phosphorus Limited  
Hall Lane  
Rookery Bridge  
Sandbach  
Cheshire  
CW11 3QQ  
Tel: 01270 766666  
Fax: 01270 766788

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** PHENMEDIPHAM (ISO) 10-25%  
EINECS: 237-199-0 CAS: 13684-63-4  
[N] R50/53

- ALCOHOL ETHOXYLATE #2 1-10%  
[Xn] R22; [Xi] R36/38
- ISOPROPYLAMINE ALKYL BENZENE SULPHONATE 1-10%  
CAS: 68584-24-7  
[Xn] R22; [Xi] R36/38

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Irritating to eyes. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** Headaches or general malaise may result.  
**Inhalation:** No symptoms.

**4. FIRST AID MEASURES (ACTION)**

**Skin contact:** Wash immediately with plenty of soap and water.  
**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.  
**Ingestion:** Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.  
**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

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**5. FIRE-FIGHTING MEASURES****Extinguishing media:** Water spray. Water fog.**Exposure hazards:** Harmful.**Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.**Environmental precautions:** Do not discharge into drains or rivers.**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a suitable container. Refer to section 13 of SDS for suitable method of disposal.**7. HANDLING AND STORAGE****Handling requirements:** Ensure there is exhaust ventilation of the area.**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition.**Suitable packaging:** Coated steel. Polyethylene.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.**Respiratory protection:** Respiratory protective device with particle filter.**Hand protection:** PVC gloves. Protective gloves.**Eye protection:** Safety goggles.**Skin protection:** Protective clothing, PVC.**9. PHYSICAL AND CHEMICAL PROPERTIES****State:** Liquid**Colour:** Off-white**Odour:** Characteristic odour**Evaporation rate:** Slow**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Miscible in all proportions**Viscosity:** Viscous**Relative density:** 1.0-1.015**pH:** 7-8**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Heat.**Materials to avoid:** Strong oxidising agents.

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**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:** BETASANA SC  
ORL RAT LD50 >2000 mg/kg  
SKN RAT LD50 >4000 mg/kg

**Hazardous ingredients:** ISOPROPYLAMINE ALKYL BENZENE SULPHONATE  
ORL RAT LD50 <2000 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** BETASANA SC  
ALGAE (C. vulgaris) 72H IC50 0.01 mg/l  
ALGAE C. vulgaris 72H IC50 0.01 mg/l  
DAPHNIA (D. Magna) 48H EC50 0.087 mg/l  
DAPHNIA D. Magna 48H EC50 0.087 mg/l  
FISH (RAINBOW TROUT) 96H LC50 4.4 mg/l  
FISH RAINBOW TROUT 96H LC50 4.4 mg/l

**Mobility:** Non-volatile.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No data available.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** D10 Incineration on land.

**Disposal of packaging:** Clean with water. Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION****ADR / RID**

<b>UN no:</b> 3082	<b>ADR Class:</b> 9
<b>Packing group:</b> III	<b>Classification code:</b> M6
<b>Shipping name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENMEDIPHAM TECHNICAL)	
<b>Labelling:</b> 9	<b>Hazard ID no:</b> 90



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**IMDG / IMO**

<b>UN no:</b> 3082	<b>Class:</b> 9
<b>Packing group:</b> III	<b>EmS:</b> F-A,S-F
<b>Marine pollutant:</b> YES	<b>Labelling:</b> 9 + MARINE POLLUTANT

**IATA / ICAO**

<b>UN no:</b> 3082	<b>Class:</b> 9
<b>Packing group:</b> III	<b>Subsidiary risk:</b> N/A
<b>Packing instructions:</b> 914	
<b>Labelling:</b> 9	

**15. REGULATORY INFORMATION**

**Hazard symbols:** Irritant.  
Dangerous for the environment.



**Risk phrases:** R36: Irritating to eyes.  
R43: May cause sensitisation by skin contact.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S2: Keep out of the reach of children.  
S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37: Wear suitable gloves.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall

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be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

