

The active ingredient specified in the Safety Data Sheet below applies to the plant invigorating properties of SB Plant Invigorator. Research has shown that the pesticidal activity of this product is achieved by a physical means. Physical modes of action are classed as non-biological and non-chemical for which no specific active ingredients are identified within the product.

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**Emergency Telephone Numbers:-**

01481 252521 Stan Brouard Group  
020 7 635 9191 (National Poisons Information Service – London  
AUTHORISED MEDICAL PRACTITIONERS ONLY)

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**PRODUCT SAFETY DATA SHEET**  
**SB PLANT INVIGORATOR**

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product name SB Plant Invigorator  
1.2 Active ingredients  
1.2.1 Common name Urea, Di amide of carbonic acid  
1.2.2 Chemical name NH<sub>2</sub>-CO-NH<sub>2</sub>  
1.2.3 CAS Registry No. 57-13-6  
1.3 Formulation type Aqueous solution  
1.4 Physical state Liquid

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Conc.	Hazard Classif. Symbol	Risk Phrases
NONE	-	-	-	-

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3. HAZARDS IDENTIFICATION

SB Plant Invigorator is not classified as hazardous.

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4. FIRST AID MEASURES

4.1 FIRST AID  
4.1.1 Eye Contact:  
Flush with water for at least 15 minutes.  
4.1.2 Skin Contact:  
Remove all contaminated clothing immediately. Wash affected area with soap and water.  
4.1.3 Ingestion:  
Stop the patient from working and keep at rest away from the workplace. Remove all restrictive clothing. Keep patient under observation. Seek medical attention if patient becomes unwell.  
4.1.4 Inhalation:  
Remove patient to fresh air. Loosen or remove clothing. Keep at rest and under observation. Seek medical attention if patient becomes unwell.  
4.2 TREATMENT  
There is no antidote. Treatment should be supportive and symptomatic.

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5. FIRE-FIGHTING MEASURES

5.1 Call the Fire Brigade at once to deal with all fires unless the fire is very small and immediately controllable.  
5.2 Extinguishing media : Water spray  
5.3 Special exposure hazards : None known  
5.4 Protective Equipment for firefighters : As for all fires involving fertilizers; Suitable protection suit suitable gloves and boots; self contained apparatus  
5.5 If contamination of drains, sewers, surface or ground water is unavoidable, inform the local water plc and the Environment Agency or the Scottish Environment Protection Agency.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Keep all people and animals away from the spillage area.  
6.2 Avoid skin and eye contact with product or contaminated surfaces.  
6.3 Wash hands and exposed skin thoroughly immediately after handling or if contaminated.  
6.4 Absorb spillage onto sand or earth. Shovel contaminated sand or earth into marked bags or drums. Dispose of through a reputable local waste disposal contractor.  
6.5 Inform local water plc immediately if spillage enters drains and the Environment Agency or the Scottish Environment Protection Agency if it enters surface or ground waters.

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7. HANDLING AND STORAGE
- 7.1 Handling Procedures  
When using do not eat, drink or smoke. Wear suitable gloves when handling SB Plant Invigorator.
- 7.2 Storage  
Keep in original containers, tightly closed, in a secure, dry, well-ventilated store.  
Do not store near food, feedingsuffs or drinking water.  
Keep out of reach of children.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION
- 8.1 OCCUPATIONAL EXPOSURE LIMITS  
There are no OELs for this product.
- 8.2 PERSONAL PROTECTION  
Ventilation: If airborne particulates may be generated, proper ventilation must be provided.  
Gloves should be used when handling the concentrate.
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9. PHYSICAL AND CHEMICAL PROPERTIES
- 9.1 Colour/Appearance: Brown
- 9.2 Form: Liquid
- 9.3 Odour: Characteristic, pleasant aroma
- 9.4 Boiling point: Approx 100°C (aqueous)
- 9.5 Melting point: Not applicable
- 9.6 Flash point: Not applicable
- 9.7 Explosive properties: Not explosive
- 9.8 Vapour pressure: Not available
- 9.9 pH (aqueous suspension) 7-8.
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10. STABILITY AND REACTIVITY  
Not reactive under normal conditions of storage.  
Stable to light and heat.  
No dangerous reactions known.
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11. TOXICOLOGICAL INFORMATION
- 11.1 Mammalian toxicity  
Acute oral LD<sub>50</sub> for rats >2,000 mg/kg
- 11.2 Inhaling aerosolised droplets may cause irritation.
- 11.3 Not a skin sensitiser.
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12. ECOLOGICAL INFORMATION
- 12.1 Not considered harmful to aquatic organisms.
- 12.2 Constituents biodegradable under aerobic conditions.  
DO NOT CONTAMINATE SURFACE WATER OR DITCHES with chemical or used container.
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13. DISPOSAL CONSIDERATIONS
- 13.1 Contact Local Authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.
- 13.2 For further guidance on the disposal of containers, surplus spray solution, tank washings and concentrate, refer to Local DEFRA office.
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14. TRANSPORT INFORMATION
- 14.1 ADR/RID Classification : Not classified
- 14.2 IMDG/IMO Classification : Not classified
- 14.3 UN Number : -
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15. REGULATORY INFORMATION
- Non-Hazardous  
Risk Phrases - NONE  
Safety Phrases  
S2 Keep out of reach of children.
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16. OTHER INFORMATION
- 16.1 INTENDED USE/MODE OF ACTION  
SB Plant Invigorator is a plant nutrient and growth stimulant for use in fruit, vegetable and flower crops.
- 16.2 PACKAGING DESCRIPTION  
250ml, 500ml, 1.0, 5.0 litre and 25 litre HDPE containers

**IMPORTANT:** The data in these sheets is provided in good faith and is accurate to the best of our knowledge and belief and based on latest available information.

**PREPARED BY:** Oxford Agricultural Consultants Limited  
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