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## PRODUCT SAFETY DATA SHEETS

Download the SB Plant Invigorator Safety Data Sheet in English

**Stan Brouard Group**

**PRODUCT: SB PLANT INVIGORATOR**      **Revision date: 01/03/2015**  
**Version: 4**

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY

1.1 Product Identifier:  
 SB Plant Invigorator

1.2 Relevant identified uses of the substance or mixture and uses advised against:  
 Physical mode of action pesticide & mildewicide.

1.2 Details of the supplier of the safety data sheet:  
 Stan Brouard Group  
 PO Box 383  
 Laneris de Manche  
 Vale  
 Guernsey GU1 3FE  
 Telephone number: +44 (0) 1481 252521  
 Stan Brouard Group – 8am – 5.30pm, Monday – Friday  
 Email: [info@sbpi.co.uk](mailto:info@sbpi.co.uk)

1.4 Emergency telephone number:  
 Emergency telephone number: +44 (0)7781 102514 or +44 (0)7781 104546 other than above hours

### SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture  
 Classification according to the Regulation (EC) no 1272/2008 (CLP) and Globally Harmonised System of Classification and Labelling of Chemicals:  
 Skin Irritation 2, H313 causes skin irritation  
 Eye Irritation 2, H319 causes serious eye irritation

2.2 Label elements  
 Labelling according to Regulation (EC) no 1272/2008 (CLP) and Globally Harmonised System of Classification and Labelling of Chemicals.  
 Hazard statements: Signal word: Warning  
 H313: causes skin irritation  
 H319: causes serious eye irritation

GHS07  
 Precautionary statements:  
 P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards  
 Mixture not classed as PBT or vPvB

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures  
 Hazardous components:

Chemical name	CAS Number	Classification according to Regulation (EC) 1272/2008	Concentration %
Sodium Lauryl Ether Sulphate	68585-54-2	GHS07/Skin Irritation 2, H313 Eye Irritation 2, H319	1 – 3%

### SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures  
 Eye Contact: Flush with water for at least 15 minutes.  
 Skin Contact: Remove all contaminated clothing. Immediately wash affected area with soap and water.  
 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.  
 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 Most important symptoms and effects, both acute and delayed  
 Ac 4.1  
 4.3 Indication of any immediate medical attention and special treatment needed  
 Guide to Physician: Treatment should be supportive and symptomatic.

### SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media: Water spray  
 5.2 Special hazards arising from the mixture: None known  
 5.3 Advice for firefighters: As for all fires: Suitable protection suit, suitable gloves and boots, self-contained apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures  
 Wear suitable gloves.  
 Keep all people and animals away from the spillage area.  
 Avoid skin and eye contact with product or contaminated surfaces.  
 Wash hands and exposed skin thoroughly immediately after handling or if contaminated.

6.2 Environmental precautions  
 Inform the local water company and relevant national water agencies immediately if spillage enters public drains, surface water or ground waters.  
 6.3 Methods and material for containment and cleaning up  
 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.  
 6.4 Reference to other sections  
 None

### SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:  
 Keep concentrate off skin and away from eyes.  
 When using, do not eat, drink or smoke.  
 Wear suitable gloves when handling concentrate.

7.2 Conditions for safe storage, including any incompatibilities  
 Keep container tightly closed in a cool, secure, dry, well-ventilated store.  
 Keep away from food, drink and animal feeding stuffs.  
 Keep out of reach of children.

7.3 Specific end use(s)  
 No specific information

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters  
 There are no Occupational exposure limits (OELs) for this product.

8.2 Exposure controls  
 Operator protection: Protective gloves made of PVC or rubber.  
 Environmental protection: Do not allow contamination of public drains or surface water or ground waters. Inform the local water company and relevant national water agencies immediately if spillage enters public drains, surface water or ground water.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:  
 Colour/Appearance: Light red liquid  
 Odour: Slight aroma  
 Odour threshold: Information not available  
 pH (aqueous suspension): 7-8  
 Melting point: Not applicable  
 Boiling point: Approx 100°C (aqueous)  
 Flash point: Not applicable  
 Evaporation rate: Not applicable  
 Flammability (solid, gas): Not applicable  
 Upper/lower flammability or explosive limits: Not explosive  
 Vapour pressure: Not applicable  
 Vapour density: Not applicable  
 Relative density: Not applicable  
 Solubility: Not applicable  
 Partition coefficient: n octanol/water: Not available  
 Auto-ignition temperature: Not applicable  
 Decomposition temperature: Not applicable  
 Viscosity: Not available  
 Explosive properties: Not explosive  
 Oxidising properties: Not available

9.2 Other information  
 No other relevant information available.

### SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: It presents no significant reactivity hazards, by itself or in contact with water.  
 10.2 Chemical stability: It presents no significant reactivity hazards, by itself or in contact with water.  
 10.3 Possibility of hazardous reactions: It presents no significant reactivity hazards, by itself or in contact with water.  
 10.4 Conditions to avoid: It presents no significant reactivity hazards, by itself or in contact with water.  
 10.5 Incompatible materials: Avoid contact with strong acids, alkalis and oxidising agents.  
 10.6 Hazardous decomposition products: Avoid contact with strong acids, alkalis and oxidising agents.

### SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects  
 Acute oral toxicity: LD 50 > 5000mg/kg body weight

### SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity  
 Mixture not classified as dangerous to the environment in accordance with the Dangerous Preparation Directive 1999/45/EC

12.2 Persistence and degradability  
 Constituents 100% biodegradable under aerobic conditions.

12.3 Bio accumulative potential  
 Not applicable

12.4 Mobility in soil  
 Not applicable

12.5 Results of PBT and vPvB  
 Mixture not classed as PBT or vPvB

12.6 Other adverse effects  
 None

### SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**  
 Dispose of empty containers in accordance with national and local authority regulations. Contact local authority (Environmental Health Department) or a reputable waste disposal company for collection and disposal of unwanted product or containers.

### SECTION 14. TRANSPORT INFORMATION

14.1 UN number: Not classified  
 14.2 UN proper shipping name: Not classified  
 14.3 Transport hazard class(es): None  
 14.4 Packing group: None  
 14.5 Environmental hazards: None  
 14.6 Special precautions for user: None  
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
 Not applicable

### SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation / legislation specific for the substance or mixture  
 This mixture is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP) and Globally Harmonised System of Classification and Labelling of Chemicals.  
 15.2 Chemical safety assessment  
 CSA not taken for this mixture.

### SECTION 16. OTHER INFORMATION

Comprehensive research has shown that the pesticidal activity of this product is achieved by 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.  
 The safety data sheet is prepared in accordance with Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Annex II/Ann GHS & EU CLP Guidelines.  
 The data in this safety sheet is provided in good faith and to the best of our knowledge and belief is accurate based on latest available information. It is intended only to give health and safety guidance on the substance to which it relates. It is not intended to provide information on product use for which purpose the product label and any other technical information should be consulted. Recipients of our product must take responsibility for observing laws and regulations.  
 Packaging descriptions: Retail concentrate: 250ml and 500ml HDPE containers  
**Originally prepared by:** Deford Agriscultural Consultants Limited under DfR 1999/45/EC and the UK CHIP 3 regulations 13 June 2002  
**Revised by:**  
 Stan Brouard: [Gdup@www.sbpi.co.uk](mailto:Gdup@www.sbpi.co.uk)  
 Revision no.1 under DfR 1999/45/EC and UK CHIP 3 regulations.      1<sup>st</sup> November 2010  
 Revision no.2 using the guidance of REACH & Safety Data Sheets'      1<sup>st</sup> March 2015  
 Dave Associates: [www.davebugs.co.uk](http://www.davebugs.co.uk)  
 Revision no.3 using @REACH and UK CHIP 4 Regulations'      19<sup>th</sup> April 2015  
 Tony Burfield: [ABP@Bio.CJ.Bio.FLS](mailto:ABP@Bio.CJ.Bio.FLS)  
 Revision no 4 using REACH Annex II/UN-GHS & EU-CLP guidelines      1<sup>st</sup> March 2015

