

PRODUCT SAFETY DATA SHEET

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 & mildewcide.

1.3 Details of the supplier of the safety data sheet:

Stan Brouard Group
PO Box 383
Landes du Marche
Vale
Guernsey GY1 3FE

Telephone number: +44 (0) 1481 252521

Stan Brouard Group – 8am – 5.30pm, Monday – Friday

Email: info@sbpi.co.uk

1.4 Emergency telephone number:

Emergency telephone number: +44 (0)7781 102514 or +44 (0)7781 104346 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, H315 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.



GHS07

Signal word: Warning

Hazard statements:

H315: causes skin irritation

H319: causes serious eye irritation

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 | 68585-34-2 |  GHS07 Skin Irritation 2, H315 Eye Irritation 2, H319 | 10 – 20% |

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

As 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 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.

The safety data sheet is prepared in accordance with Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Annex II/UN 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: Commercial concentrate: 1 litre, 5 litre and 25 litre HDPE containers

Originally prepared by: Oxford Agricultural Consultants Limited under DIR 1999/45/EC and the UK CHIP 3 regulations 13 June 2002

Revised by:

Stan Brouard Group www.sbpj.co.uk

Revision no.1 under DIR 1999/45/EC and UK CHIP 3 regulations. 1st November 2010

Revision no.2 using the guidance of 'REACH & Safety Data Sheets' 1st March 2013

Dove Associates www.dovebugs.co.uk

Revision no.3 using '@REACH and UK CHIP 4 Regulations' 19th April 2013

Tony Burfield ABP, MI Biol, C.I Biol, FLS

Revision no 4 using REACH Annex II/UN-GHS & EU-CLP guidelines 1st March 2015