	Product	roadspred
	Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
	Revised	January 2015
	To be Revised	December 2020
	Page	1 of 9

SAFETY DATA SHEET

Section 1 : IDENTIFICATION

Product identifier	BROADSPRED
Other means of identification	Silicone derivative.
Recommended use and restrictions on use	Spray additive for improving soil penetration of herbicides.
Details of manufacturer	Growth Agriculture Pty Ltd. PO Box 444, Wee Waa, NSW 2388, Australia. Freecall 1800 440 438 Phone (02) 6795 3787 Fax (02) 6795 3707
Emergency phone number	(Australia) 1800 440 438 or Poisons Information Centre (Australia) 13 11 26 Poisons Information Centre (NZ) 0800 764 766

Section 2 : HAZARDS IDENTIFICATION

Classification of the hazardous chemical	Not a Dangerous Good according to the Australian Dangerous Goods [ADG] Code 7 th edition. Classified as: Hazardous according to the criteria of SWA Australia.
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Label elements, including precautionary statements



WARNING

SERIOUS EYE DAMAGE/IRRITATION - Hazard category: 2A

Signal word: Warning.

Hazard statement: H319 Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

P264 Wash hands (or any affected body parts) thoroughly after handling.

P280 Wear eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	2 of 9

present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards which do not result in classification

Avoid contact with skin and eyes.

Section 3 : COMPOSITION AND INFORMATION ON INGREDIENTS

Identity of chemical ingredients	Contains modified polydimethylsiloxane 1064 g/L
CAS Number and other unique identifiers	CAS not set - <i>modified polydimethylsiloxane</i> Other non-hazardous ingredients secret
Concentration of ingredients	Modified polydimethylsiloxane >90% Other non-hazardous ingredients to 100%

Section 4 : FIRST AID MEASURES

Description of necessary first aid measures If product is swallowed or gets in mouth, wash mouth with water and give some water to drink. If symptoms develop, or if in doubt, contact Poisons Information Centre or a doctor.

If in eyes, quickly and gently blot or brush away product. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed or until a few minutes after irritation has ceased, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

If skin contact occurs, blot or brush away excess chemical. Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 10 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). If irritation persists, repeat flushing and obtain medical advice.

If inhalation occurs, first aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Symptoms caused by exposure

Skin: product is believed to be mildly irritating, but is unlikely to cause anything more than mild transient discomfort.

Eyes: This product is a severe eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	3 of 9

swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to cause permanent damage.

Ingestion: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Medical attention and special treatment

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The contact numbers are in Section 1 in this SDS. Have this SDS with you when you call.

Section 5 : FIRE FIGHTING MEASURES

Suitable extinguishing media

Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Specific hazards arising from the chemical

Fire decomposition products from this product are likely to be toxic if inhaled. Take appropriate protective measures.

Special protective equipment and precautions for fire fighters

Protective suit and breathing apparatus.

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

HAZCHEM code: Not applicable

Section 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear suitable impervious elbow-length gloves made from rubber or PVC.

Protective glasses or goggles must be worn when this product is being used. Failure to protect eyes may lead to severe harm to them or general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Usually, no respirator is necessary when using this product.

Environmental precautions

In the event of a major spill, prevent spillage from entering drains or water-courses.

Methods and materials for containment and cleaning up

Stop any leak if safe to do so, and contain the spill. Absorb onto sand, vermiculite or other suitable absorbent material. If the spill is too large or if absorbent material is not available, try to create a dike to stop material



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	4 of 9

spreading or going into drains or waterways. Collect recoverable product and place into labelled containers for recycling or salvage, and dispose of promptly.

After spills, wash the area and prevent runoff from entering local drains. If a significant quantity of material enters drains, advise emergency services.

NOTE : Please read the product label for additional information. Instructions on the label must take precedence over this SDS.

Section 7 : HANDLING & STORAGE

Precautions for safe handling

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

Carefully read other sections of this SDS for details on personal protective measures, and make sure that those measures are followed. Also check the measures for storage.

Avoid contact or contamination of product with incompatible materials (if any) listed in this SDS.

Conditions for safe storage, including any incompatibilities

Store packages of this product in a cool, dry and well-ventilated place out of direct sunlight. Store the product in the original package.

Avoid contact or contamination of product with incompatible materials (if any) listed in this SDS.

Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

NOTE : Please read the product label for additional information. Instructions on the label must take precedence over this SDS.

Section 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters – exposure standards, biological monitoring

Exposure limits have not been established by SWA for any known significant ingredients in this product.

Appropriate engineering controls

Use in a cool, well-ventilated space. Have spillage kits available on site.



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	5 of 9

Personal protective equipment (PPE)

Wear suitable impervious elbow-length gloves made from rubber or PVC.

Protective glasses or goggles must be worn when this product is being used. Failure to protect eyes may lead to severe harm to them or general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.

Usually, no respirator is necessary when using this product.

Section 9 : PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, viscous liquid.
Odour	Mild odour.
Odour threshold	No data available.
pH	No data available.
Melting point/Freezing point	No specific data – liquid at 20°C.
Boiling point and boiling range	No data available.
Flash point	Not flammable, not combustible.
Evaporation rate	No data available.
Flammability	Not flammable, not combustible.
Upper & lower flammability limits	Not flammable, not combustible.
Vapour pressure	No data available.
Vapour density	No data available.
Relative density	1.1 approx.
Solubility	Soluble.
Partition coefficient (n.octonol:water)	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Specific heat value	No data available.



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	6 of 9

Particle size	No data available.
Volatile organic compounds content	No data available.
% volatile	No data available.
Saturated vapour concentration	No data available.
Release of invisible flammable vapours and gases	No data available, but none likely.

ADDITIONAL PARAMETERS

Shape and aspect ratio	Not applicable.
Crystallinity	Not applicable.
Dustiness	Not applicable.
Surface area	Not applicable.
Surface area	Not applicable.
Degree of aggregation or agglomeration	Not applicable.
Ionisation (redox potential)	No data available.
Biodurability or biopersistance	No data available.

Section 10 : STABILITY & REACTIVITY

Reactivity	<p>This product is unlikely to react under normal storage conditions. However, if you have any doubts, contact the supplier for shelf life properties.</p> <p>This product will not undergo polymerisation reactions.</p>
Chemical stability	<p>This product is unlikely to decompose under normal storage conditions. However, if you have any doubts, contact the supplier for shelf life properties.</p>
Conditions to avoid	<p>Protect this product from light. Store in closed original container, in a dry, cool, well ventilated area out of direct sunlight.</p>
Incompatible materials and possible hazardous reactions	<p>This product has no particular incompatibilities.</p>



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	7 of 9

Hazardous decomposition products

Upon fire decomposition: carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water, silica and other silicon compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Section 11 : TOXICOLOGICAL INFORMATION

Information on routes of exposure

Eye, skin and mucous membranes.

Symptoms related to exposure

Direct contact with the surface of eyes or mucous membranes are treatable by irrigation.

Numerical measures of toxicity

No data available

Immediate, delayed and chronic health effects from exposure

Skin: product is believed to be mildly irritating, but is unlikely to cause anything more than mild transient discomfort.

Eyes: This product is a severe eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to cause permanent damage.

Ingestion: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

No data available for delayed reactions to exposure.

No data available for health effects associated with long-term exposure.

Exposure levels

Exposure limits have not been established by SWA for any of the known significant ingredients in this product.

Data limitations

No data available.



Product	roadspred
Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
Revised	January 2015
To be Revised	December 2020
Page	8 of 9

Section 12 : ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No specific data but being an aqueous solution, this product is likely to be mobile.
Other adverse effects	No data available.


Section 13 : DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. Please do NOT dispose into sewers or waterways.
Disposal of any contaminated packaging	Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.
Environmental regulations	Do NOT dispose into sewers or waterways.

NOTE : Please read the product label for additional information. Instructions on the label must take precedence over this SDS.

Section 14 : TRANSPORT INFORMATION

UN Number	No UN number allocated.
Proper shipping name	Not specified in the Australian Dangerous Goods Code 7 th edition.
Transport hazard class	No data provided in the Australian Dangerous Goods Code 7 th edition.
Packaging group	No data provided in the Australian Dangerous Goods Code 7 th edition.
Environmental hazards	No data is available from literature.

	Product	roadspred
	Document Reference	SDS_05_2 Growtha Ag - Broadspred.docx
	Revised	January 2015
	To be Revised	December 2020
	Page	9 of 9

Special precautions during transport None known.

Hazchem code No data provided in the Australian Dangerous Goods Code 7th edition.

Section 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product See precautionary statements in section 2.

Poisons schedule number Not a scheduled poison.

Section 16 : OTHER INFORMATION

Date of preparation or review January 2015

Key abbreviations or acronyms used Where relevant, full wording followed by [square bracketing] abbreviations are provided in this SDS.

END OF DOCUMENT