

MATERIAL SAFETY DATA SHEET

22 MAY 2012

1. Identification of the substance/preparation and of the company

Product Name: BRUSHWET

Supplier: SST Australia Pty Ltd

ACN: 052 854 833

Address: P.O.Box 2032 Bayswater Village, Bayswater Vic; 3153 Australia

Telephone Number: (03) 97206306

Facsimile: (03) 97206407

Product Description: A Tank mix adjuvant to improve wetting and spreading of pesticides

2. Hazards identification

HAZARDOUS SUBSTANCE according to criteria of NOHSC.

NON – DANGEROUS GOODS by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Risk Phrases: R20 Harmful by inhalation

Safety Phrases: S13 Keep away from food, drink and animal feeding stuffs.

S2 Keep out of reach of children

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

Toxic for aquatic organisms, may cause long term adverse effects in the aquatic environment

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements

Poisons Schedule: None allocated.

3. Composition/information on ingredients

Components	CAS Number	Proportion
Polyether modified Polysiloxane	134180-76-0	1020 g/L

4. First-aid measures

General advice: Remove contaminated clothing

After inhalation: Ensure supply of fresh air
In the event of symptoms take medical treatment

After contact with skin: In case of contact with skin wash off with soap and water
Consult a doctor if skin irritation persists

After contact with eyes: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion: Seek medical advice immediately.

5. Fire-fighting measures

Suitable extinguishing

media: Foam, carbon dioxide, dry powder, water spray

Extinguishing media

Which must not be

Used for safety

Reasons: Not applicable

Special hazards from the substance itself, its combustion products or from its vapours:

In the event of fire the following can be released:
Carbon monoxide, carbon dioxide, silicon dioxide

Special protective equipment for firefighters:

Use self-contained breathing apparatus.

Further information: Collect contaminated firefighting water separately, must not be
Discharged into the drains.

6. Accidental release measures

Personal precautions: Use personal protective equipment

Environmental

precautions:

Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil

Methods for cleaning up/taking up

Take up with absorbent material (eg sand, kieselguhr, universal
binder)
Dispose of absorbed material in accordance with the regulations

7. Handling and storage

Advice on safe handling:

Formulation of aerosols or vapors during processing and application
should be prevented
Wear respiratory protection when spraying

Advice on protection against fire and explosion

No special measures required.

Storage

Further information: Keep container tightly closed

8. Exposure controls/personal protection

Personal protection equipment

General protective measures:	Avoid contact with eyes and skin Do not inhale aerosols
Hygiene measures:	Do not eat, drink or smoke when working Remove oiled or soaked clothing immediately Wash hands before breaks and after work Use barrier skin cream Keep away from foodstuffs and beverages
Respiratory protection:	In case of formation of vapours/aerosols: Short term: filter apparatus, Filter A-P2
Hand protection:	PVC gloves
Eye protection:	Goggles, or face shield if necessary
Skin and body protection:	Protective clothing A protective ointment is recommended

9. Physical and chemical properties

Physical state: Clear Liquid
Solubility: Miscible in water.
Specific Gravity: 1.02 approx. @20°C
Flash Point (°C): > 102 (oC)
pH: 6-8 (1% aqueous solution)
Freezing Point/Range (°C): <0

10. Stability and reactivity

Thermal decomposition:	Not measured
Hazardous reactions:	No hazardous reactions with proper storage and handling
Hazardous decomposition products:	None with proper storage and handling.

11. Toxicological information

Acute oral toxicity:	LD50 Species: rat Dose: 3200 mg/kg
Acute inhalation toxicity:	LC50 aero. Species: rat Dose: 1.08 mg/l Exposure time: 4h Method: OECD 403 Source: Untersuchungsbericht/Th.Goldschmidt AG
Acute dermal toxicity:	LD50 Species:rabbit

Dose: 1550mg/kg

LD50 Species:rat
Dose: > 2000 mg/kg

Skin irritation: Species:rabbit
Slightly irritant

Eye irritation: Species:rabbit
Strongly irritant

Sensitization: Species:Guinea pig
Non-sensitizing

Note: Harmful by inhalation and in contact with skin.
Irritant to skin
Risk of serious damage to eyes
The toxicological data refer to the undiluted 100% product

12. Ecotoxicological information

Ecotoxicity effect

Toxicity to fish: LC50 Species:rainbow trout
Dose: 2.1 mg/l

Toxicity to daphniae: EC50 Species:Daphnia magna
Dose 1.1 mg/l

Toxicity to algae EC50 Species:Scenedesmus subspicatus
Dose: 28.2 mg/l
Refer to biomass

EC50 Species:Scenedesmus subspicatus
Dose 152.2 mg/l
Growth rate

Further ecological information

Note The product is considered to be a water pollutant (German Law). Do not discharge product unmonitored into the environment. The ecotoxicological data refer to the undiluted 100% product. The product does not cause essential disturbances of ecological processes and equilibriums, when used in the recommended concentrations and ways of applications.

13. Disposal considerations

Product: In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. Transport information

Land transport

ADR:
Class: 9
Packaging group: III
Orange plate: Hazard no: 90
Substance No: 3082

Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: Polyethersiloxane
Label: 9 miscellaneous substances and articles

RID:
Class: 9
Packaging group: III

Description of the goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: Polyethersiloxane
Label: 9 miscellaneous substances and articles

Inland Waterway Transport

ADNR:
Class: 9
Item: M6
Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S.
Hazard release: Polyethersiloxane
Label: 9 miscellaneous dangerous goods

Sea Transport

IMDG:
Class: 9
Packaging group: III UN-No:3082
EmS F-A-S-F
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard release: Polyethersiloxane
Label: 9 miscellaneous dangerous goods

Air Transport

ICAO/IATA:
Class: 9
Packaging group: III UN-No:3082
EmS F-A-S-F
Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard release: Polyethersiloxane
Label: 9 miscellaneous dangerous goods

15. Regulatory information

Classification: This material is hazardous according to criteria of NOHSC.

Hazard Category: Xn, Xi

R-phrase(s)	20/21	Harmful by inhalation and in contact with skin
	38	Irritating to skin
	41	Risk of serious damage to eyes
	51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	24	Avoid contact with skin
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	51	Use only in well ventilated area
	61	Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

Reason(s) for Issue:

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