SAFETY DATA SHEET

TRILOGY

1. IDENTIFICATION

GHS Product Identifier
TRILOGY

Company Name
SST AUSTRALIA PTY LTD

Address
Level 3, 35 Cotham Road, Kew, Victoria 3101
Australia

Telephone/Fax Number
Telephone: 03 9720 6306  Fax number: 03 9720 6407

Emergency phone number
1800 638 556

E-mail Address
compliance@axieo.com

Recommended use of the chemical and restrictions on use
A tank mix adjuvant to improve wetting and spreading of pesticides.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Acute Toxicity - Oral: Category 4
Eye Damage/Irritation: Category 1
Skin Corrosion/Irritation: Category 2
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2

Signal Word (s)
DANGER

Hazard Statement (s)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Pictogram (s)
Corrosion, Exclamation mark, Environment
Precautionary statement – Prevention
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response
GENERAL
P310 Immediately call a POISON CENTER or doctor/physician.
P391 Collect spillage.
INGESTION
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
SKIN
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P362 Take off contaminated clothing and wash before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
EYE
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statement – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octoxynol</td>
<td>9002-93-1</td>
<td>100 %</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Inhalation
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye contact
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Carbon dioxide, dry chemical, foam, water mist or water spray. Alcohol resistant foam is preferred. If not available normal foam can be used.
Unsuitable Extinguishing Media
Do not use water jet.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes and gases including: carbon dioxide, carbon monoxide and oxides of nitrogen.

Specific Hazards Arising From The Chemical
This product will burn if exposed to fire.

Hazchem Code
•3Z

Decomposition Temperature
Not available

Precautions in connection with Fire
Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

Storage Regulations
Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
No Exposure Limit Established

Biological Limit Values
No biological limits allocated.

Appropriate Engineering Controls
This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not...
sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**

Safety glasses with full face shield should be used. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear liquid</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td>&lt;0°C</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Dispersible</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.04 (20°C) (approximate)</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>6-8 (1% aqueous solution)</td>
</tr>
<tr>
<td><strong>Vapour Pressure</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapour Density (Air=1)</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Odour Threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td></td>
</tr>
</tbody>
</table>
Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

Volatile Component
Not available

Partition Coefficient: n-octanol/water
Not available

Flash Point
>150°C (Open Cup)

Flammability
Non Flammable

Auto-Ignition Temperature
Not available

Flammable Limits - Lower
Not available

Flammable Limits - Upper
Not available

Explosion Properties
Not available

Oxidising Properties
Not available

Kinematic Viscosity
Not available

Dynamic Viscosity
Not available

10. STABILITY AND REACTIVITY

Reactivity
Refer to Section 10: Possibility of hazardous reactions

Chemical Stability
Stable under normal conditions of storage and handling.

Conditions to Avoid
Heat, open flames and other sources of ignition.

Incompatible materials
Strong oxidising agents.

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon dioxide and carbon monoxide.

Possibility of hazardous reactions
Reacts with incompatible materials.

Hazardous Polymerization
Not available

11. TOXICOLOGICAL INFORMATION

Toxicology Information
Available toxicity data is given below.

Acute Toxicity - Oral
LD50 (rat): >2000mg/kg

Acute Toxicity - Dermal
LD50 (rat): >2000mg/kg

Ingestion
Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation
Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

**Skin**  
Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

**Eye**  
Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

**Respiratory sensitisation**  
Not expected to be a respiratory sensitiser.

**Skin Sensitisation**  
Not expected to be a skin sensitiser.

**Germ cell mutagenicity**  
Not considered to be a mutagenic hazard.

**Carcinogenicity**  
Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**  
Not considered to be toxic to reproduction.

**STOT-single exposure**  
Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**  
Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**  
Not expected to be an aspiration hazard.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**  
Toxic to aquatic life with long lasting effects.

**Persistence and degradability**  
Not available

**Mobility**  
Not available

**Bioaccumulative Potential**  
Not available

**Other Adverse Effects**  
Not available

**Environmental Protection**  
Do not discharge this material into waterways, drains and sewers.

**Acute Toxicity - Fish**  
LC50 (Bluegill sunfish): 2.8-3.2mg/l/96h

### 13. DISPOSAL CONSIDERATIONS

**Disposal considerations**  
Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

### 14. TRANSPORT INFORMATION

**Transport Information**  
This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods  
Class 9: Miscellaneous substances Dangerous Goods are incompatible in a placard load with any of the following:
Class 1: Explosives (when the class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the class 9 substance is a fire risk substance) and Division 5.2: Organic peroxides (when the class 9 substance is a fire risk substance)

Note: Special Provision AU01:
Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:
- packagings that do not incorporate a receptacle exceeding 500 kg(L); or
- IBCs

U.N. Number
3082

UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Octoxynol)

Transport hazard class(es)
9

Packing Group
III

Hazchem Code
•3Z

Special Precautions for User
Not available

IERG Number
47

UN Number (Air Transport, ICAO)
3082

IATA/ICAO Proper Shipping Name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Octoxynol)

IATA/ICAO Hazard Class
9

IATA/ICAO Packing Group
III

IATA/ICAO Symbol
Miscellaneous Dangerous Goods

IMDG UN No
3082

IMDG Proper Shipping Name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Octoxynol)(Octoxynol) MARINE POLLUTANT

IMDG Hazard Class
9

IMDG Pack. Group
III

IMDG Marine pollutant
Yes

IMDG EMS
F-A,S-F

Transport in Bulk
Not available

15. REGULATORY INFORMATION

Regulatory information
Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
16. OTHER INFORMATION

Date of preparation or last revision of SDS
SDS Created: July 2016

References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

Contact Person/Point
IMPORTANT ADVICE: An MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information contained in this MSDS is believed to be correct but is not guaranteed. Prior to using the product(s) referred to in this MSDS, each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the MSDS. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. SST does not accept any other liability either directly or indirectly for any losses suffered in connection with the use and application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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END OF SDS