SAFETY DATA SHEET

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Trivor

Revision date 10-Jul-2022 **Version** 3.01 **Supersedes Date:** 12-May-2022 **Product Code(s)** INS00083-27
Print Date 10-Jul-2022 ADM.0151.I.1.B 9508137

1. Identification

Product identifier

Trivor

Other means of identification

Synonyms Acetamiprid 186 Pyriproxyfen 124 DC
Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Recommended use Insecticide; Professional use
Uses advised against No information available

Detailed information about the manufacturer, supplier, and/or importer

Supplier

ADAMA SOUTH AFRICA (PTY) LTD
Ground Floor, Simeka House
The Vineyards Office Estate
99 Jip de Jager Drive
Bellville 7530

Emergency telephone number

Emergency Telephone

+27 82 446 8946 (Griffon Poison Centre)
+27 86 155 5777 (Tygerberg Poison Information Centre)
+27 86 100 6366 and +27 83 253 6618 (SPILL TECH)

E-mail address SDS@ADAMA.COM

2. Hazard(s) identification

Classification of the substance or mixture

Acute toxicity - Oral	Category 4 - (H302)
Chronic aquatic toxicity	Category 1 - (H410)

Label elements

Signal word Warning

Hazard pictograms

Hazard statements

H302 - Harmful if swallowed
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements

P102 - Keep out of reach of children
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P501 - Dispose of contents/container in accordance with national regulation

Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

3. Composition/information on ingredients

Substance

Not applicable

Mixture

Synonyms Acetamiprid 186 Pyriproxyfen 124 DC

Chemical name	CAS No	Weight-%	EC No	INTERNATIONAL GHS CLASSIFICATION	M-Factor
Propylene carbonate	108-32-7	45-50	203-572-1	Eye Irrit. 2 (H319)	
Acetamiprid	135410-20-7	15-20	603-921-1	Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)	
Pyriproxyfen	95737-68-1	10-15	429-800-1	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	M=1 M=1000
Poly(oxy-1,2-ethanediyl), .alpha.-phenyl-.omega.-hydroxy-, styrenated	104376-75-2	7-10	-	Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412)	

4. First-aid measures

Description of necessary first aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms

persist, call a physician.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

For emergency responders

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms/effects, acute and delayed

Symptoms None known.

Indication of immediate medical attention and special treatment needed, if necessary

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Small Fire Dry chemical, CO2, water spray or regular foam
Large Fire Do not scatter spilled material with high pressure water streams
Dike fire-control water for later disposal
Water spray, fog or regular foam
Move containers from fire area if you can do it without risk

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Specific hazards arising from the chemical No information available.

A fire or explosion Some may burn but none ignite readily
Containers may explode when heated
Some may be transported hot

Explosive properties Not an explosive.

Specific/special fire-fighting measures

Specific/special fire-fighting measures No information available.

Special protective equipment and precautions for fire-fighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Health risk Contact may cause burns to skin and eyes
Runoff from fire control may cause pollution
Fire may produce irritating, corrosive and/or toxic gases
Inhalation of material may be harmful

	Some liquids produce vapors that may cause dizziness or suffocation
Spill or leak statements	Do not touch or walk through spilled material Prevent dust cloud Stop leak if you can do it without risk

Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labeled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Preventive measures for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.

Precautions for safe handling

General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters

Exposure guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls	Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Suitable chemical resistant gloves (EN 374) also with prolonged, direct contact (recommendation: protection index 6, corresponding > 480 minutes Permeability time (permeation) according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm).
Eye/face protection	Tight sealing safety goggles.
Skin and body protection	Use suitable protective clothing and equipment if required, such as safety goggles certified

to EN 166, gloves certified to EN 374, protective boots certified to EN 13832, and/or a water repellent woven coverall with 65% polyester and 35 % cotton.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties

Information on basic physical and chemical properties

Property		Values	Method	Remarks
Appearance				
Physical state	:	Liquid		
Color	:	transparent Yellowish to brownish		
Odor	:	Aromatic		
Odor threshold	:	No data available		
pH	:	4 - 6	CIPAC MT 75.3	1 %
Melting point / freezing point °C	:	No data available		
Boiling point / boiling range °C	:	No data available		
Flash point °C	:	108	EEC A.9	
Evaporation rate	:	No data available		
Flammability (solid, gas)	:	Not applicable for liquids		
Upper/lower flammability or explosive limits	:	No data available		
Vapor pressure kPa	:	No data available		
Vapor density	:	No data available		
Relative density	:	1.14 – 1.18	OECD 109	
Solubility(ies) mg/l	:	No data available		
Partition coefficient Log Pow	:			See Section 12 for additional Ecological Information
Autoignition temperature °C	:	460	EEC A.15	
Decomposition temperature °C	:	No data available		
Kinematic viscosity mm2/s 40 °C	:	7.4	OECD 114	
Explosive properties	:	Not an explosive	EEC A.14	
Oxidizing properties	:	Not oxidizing		
Surface tension	:	No data available		
Particle Size	:	Not applicable		

Other information

Bulk density g/ml : Not applicable

10. Stability and reactivity

Reactivity

Reactivity No information available.

Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

Incompatible materials None known based on information supplied.

Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on toxicological effects

Acute toxicity

		Values	Species	Method	Remarks
Oral LD50 mg/kg	:	2000	Rat	OECD 423	
Dermal LD50 mg/kg	:	> 4000	Rat	OECD 402	
Inhalation LC50 LC50	:	> 5	Rat	OECD 403	
Skin corrosion/irritation	:	Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	:	Not irritating to eyes	Rabbit	OECD 405	
Sensitization	:	Not a skin sensitizer	Guinea pig	OECD 406	

Chronic toxicity

Germ cell mutagenicity

Chemical name		
Acetamiprid	:	Not classified
Pyriproxyfen	:	Not classified

Carcinogenicity .

Chemical name		
Acetamiprid	:	Not Carcinogenic
Pyriproxyfen	:	Not Carcinogenic

Reproductive toxicity .

Chemical name		
Acetamiprid	:	Not toxic for the reproductive system
Pyriproxyfen	:	Not toxic for the reproductive system

STOT - Single Exposure

Chemical name		
Acetamiprid	:	No data available
Pyriproxyfen	:	No data available

STOT - Repeated Exposure

Chemical name		
Acetamiprid	:	No data available
Pyriproxyfen	:	No data available

Aspiration hazard

Chemical name		
Acetamiprid	:	No data available
Pyriproxyfen	:	No data available

12. Ecological information

Ecotoxicity

Aquatic toxicity

Acute toxicity		**Values**	**Species**	**Method**	**Remarks**
Fish 96-hour LC50 mg/l	:	18.7	Zebra Fish	OECD 203	
Crustacea 48-hour EC50 mg/l	:	1.869	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	:	3.62	P. subcapitata	OECD 201	
Other plants EC50 mg/l	:	----			No data available

Chronic aquatic toxicity		**Values**	**Species**	**Method**	**Remarks**
Fish NOEC mg/l	:	No data available			
Crustacea NOEC mg/l	:	No data available			
Algae NOEC mg/l	:	No data available			
Other plants NOEC mg/l	:	No data available			

Terrestrial Toxicity

Birds Oral LD50 mg/kg

Chemical name			
Acetamiprid	:	98	Mallard duck
Pyriproxyfen	:	> 1906	Bobwhite quail Mallard duck

Bees Oral LD50 µg/bee

Chemical name				
Acetamiprid	:	14.53		Oral
Pyriproxyfen	:	> 98.3	OECD 213 OECD 214	

Abiotic Degradation

Water DT50 days

Chemical name			
Acetamiprid	:	3.6 - 5.8	
Pyriproxyfen	:	----	No data available

Soil DT50 days

Chemical name			
Acetamiprid	:	2.9	Field
Pyriproxyfen	:	2.8 - 20.4	201 °C

Biodegradation

Chemical name		
Acetamiprid	:	No data available
Pyriproxyfen	:	No data available

Log Pow		**Values**	**Method**	**Remarks**
Chemical name				
Acetamiprid	:	0.80	OECD 117	
Pyriproxyfen	:	> 4.56	OECD 107	

Bioconcentration factor (BCF)

Chemical name			
Acetamiprid	:	----	No bioaccumulation potential
Pyriproxyfen	:	< 660	No bioaccumulation potential

Adsorption/Desorption	**Values**	**Method**	**Remarks**
Chemical name			
Acetamiprid	: 71.1 - 138.4		KOC
Pyriproxyfen	: 11000 - 34200		Not mobile

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

14. Transport information

ADR

14.1 UN number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen)
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 601, 375
Classification code	M6

RID

14.1 UN number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen)
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 375, 601
Classification code	M6

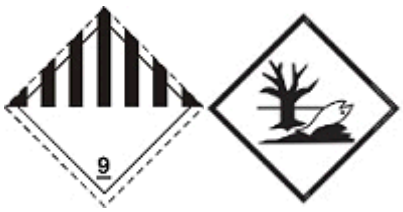
IMDG

14.1 UN number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen), Marine pollutant
14.3 Hazard Class	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen), 9, III, Marine pollutant
14.5 Marine pollutant	P
Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	274, 335, 969
EmS-No	F-A, S-F
IMDG Stowage and segregation	Category A

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code No information available

IATA

14.1 UN number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyriproxyfen), 9, III
14.5 Environmental hazard	Yes
14.6 Special Precautions for Users	
Special Provisions	A97, A158, A197
ERG Code	9L



15. Regulatory information

Safety, health and environmental regulations specific for the product in question

16. Other information

Full text of H-Statements referred to under section 3
H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life
H402 - Harmful to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Date of preparation of the SDS No data available

Revision date 10-Jul-2022

Revision Note Changes made to the last version are labeled with this sign ***.

Key or legend to abbreviations and acronyms used in the safety data sheet

IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Abbreviations and acronyms
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CAS Number - Chemical Abstracts Service number
EC Number - EINECS and ELINCS Number
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
OECD - Organization for Economic Co-operation and Development
PBT - Persistent, Bioaccumulative and Toxic substance
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT - Specific Target Organ Toxicity
vPvB - Very Persistent and Very Bioaccumulative

The Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Classification of the mixture	**Classification procedure**
H302 - Harmful if swallowed	Classification based on test data
H410 - Very toxic to aquatic life with long lasting effects	Classification based on Calculation method

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet