Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Issue date: 01/07/2021 Version: 5.0



SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product form : Mixture

Trade name : INSECTROL INSECT KILLER : 275W-S020-M005-TTM9

: PSI36 250ml Product code PSI38 400ml Type of product : Biocide

Registration No HSE 8459, PCS 95177

Vaporizer : Aerosol Product group : Product

Relevant identified uses of the substance or mixture and uses advised against 1.2.

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

Use of the substance/mixture : A surface spray insecticide for use against Fleas, Ants, Bedbugs and other insects in the home.

Use of the substance/mixture : Insecticide

Uses advised against

No additional information available

Details of the supplier of the safety data sheet

Supplier

Rentokil Initial Supplies Liverpool

L33 7SR

Product advice line: +44 (0)151 548 5050 Email: sds@rentokil.com

National Contact

For UK:

Rentokil Initial Supplies

Liverpool L33 7SR UK

For Ireland:

Rentokil Initial, Hazel House, Millennium Park, Naas, Co Kildare,

Ireland

Tel: +353 (0)45 850 799

Emergency telephone number

: +44 (0)1342 833022 **Emergency number**

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222:H229 Hazardous to the aquatic environment — Acute Hazard, Category 1 H400

01/07/2021 EN (English) Reference number: 929 1/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements 22

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)





GHS02

Signal word (CLP) : Danger

Hazard statements (CLP) : H222 - Extremely flammable aerosol.

> H229 - Pressurised container: May burst if heated. H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use. P273 - Avoid release to the environment.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F. P501 - Dispose of contents and container to normal household waste. However if used in a place of work any product and empty container must be disposed of as controlled waste..

EUH-statements : EUH208 - Contains Permethrin. May produce an allergic reaction.

Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Substances

Not applicable

Mixtures 3.2.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclic, <2% aromatics	(EC-No.) 926-141-6	50 – 75	Asp. Tox. 1, H304
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately– 40°C to 80°C (– 40°F to 176°F).] substance with national workplace exposure limit(s) (IE, GB)	(CAS-No.) 68476-85-7 (EC-No.) 270-704-2 (EC Index-No.) 649-202-00-6	≥ 25	Flam. Gas 1A, H220 Press. Gas
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichorovinyl)-2,2-dimethylcyclopro panecarboxylate	(CAS-No.) 52645-53-1 (EC-No.) 258-067-9 (EC Index-No.) 613-058-00-2	0.46	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)
d-Allethrin	(CAS-No.) 231937-89-6	0.13	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410
1,3-butadiene; buta-1,3-diene substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit	(CAS-No.) 106-99-0 (EC-No.) 203-450-8 (EC Index-No.) 601-013-00-X	< 0.1	Flam. Gas 1A, H220 Press. Gas Carc. 1A, H350 Muta. 1B, H340

Full text of H- and EUH-statements: see section 16

01/07/2021 EN (English) 2/10 Reference number: 929

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed

by warm water rinse. Repeated exposure may cause skin dryness or cracking.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness

persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spillage. Store away from other materials.

6.4. Reference to other sections

See also sections 8 and 13. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation

of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from heat and direct sunlight. Keep out of reach of children. Keep only in the original

container in a cool well ventilated place. Keep away from food, drink and animal feedingstuffs.

Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Insecticide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

01/07/2021 EN (English) Reference number: 929 3/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

1,3-butadiene; buta-1,3-diene (106-99-0)		
EU	Local name	1,3-Butadiene
EU	IOEL TWA	2.2 mg/m³
EU	IOEL TWA [ppm]	1 ppm
EU	Notes	SCOEL Recommendations (2007)
Ireland	Local name	Buta-1,3-diene
Ireland	OEL TWA [1]	2.2 mg/m³
Ireland	OEL TWA [2]	1 ppm
Ireland	Notes (IE)	Carc.1A, Muta.1B
United Kingdom	Local name	Buta-1,3-diene
United Kingdom	WEL TWA (OEL TWA) [1]	22 mg/m³
United Kingdom	WEL TWA (OEL TWA) [2]	10 ppm
United Kingdom	Remark (WEL)	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51)

approximately- 40°C to 80°C (- 40°F to 176°F).] (68476-85-7)

	/1(/	
Ireland	Local name	Liquefied petroleum gas (LPG)
Ireland	OEL TWA [1]	1800 mg/m³
Ireland	OEL TWA [2]	1000 ppm
Ireland	OEL STEL	2250 mg/m ³
Ireland	OEL STEL [ppm]	1250 ppm
United Kingdom	Local name	Liquefied petroleum gas
United Kingdom	WEL TWA (OEL TWA) [1]	1750 mg/m³
United Kingdom	WEL TWA (OEL TWA) [2]	1000 ppm
United Kingdom	WEL STEL (OEL STEL)	2180 mg/m³
United Kingdom	WEL STEL (OEL STEL) [ppm]	1250 ppm
United Kingdom	Remark (WEL)	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51) (only applies if LPG contains more than 0.1% of buta-1,3-diene)

Exposure controls

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

None necessary during normal handling and use.

Eye protection:

None necessary during normal handling and use.

Respiratory protection:

None necessary during normal handling and use.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Colourless liquid. Colour : Colourless. Odour : characteristic. Odour threshold : No data available : No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available

01/07/2021 EN (English) Reference number: 929 4/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Boiling point : -2 – -45 °C for aerosol propellant

Flash point : < -40 °C

Auto-ignition temperature : No data available Decomposition temperature : No data available

Flammability (solid, gas) : Extremely flammable aerosol.

Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : No data available Solubility : immiscible. Partition coefficient n-octanol/water (Log Pow) : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : No data available : No data available Oxidising properties **Explosive limits** : No data available

9.2. Other information

Additional information : Discharge rate 1.7g/sec at 20degreesC. Net fill weight (for aerosols) 232g.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Extremely flammable aerosol.

10.3. Possibility of hazardous reactions

The product is stable at normal handling and storage conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Do not spray on naked flame or any incandescent material. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

d-Allethrin (231937-89-6)	
LD50 oral rat	1000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.77 mg/l/4h

permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichorovinyl)-2,2-dimethylcyclopro panecarboxylate (52645-53-1) LD50 dermal rat > 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Additional information : Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Based on available data, the classification criteria are not met

Carcinogenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

01/07/2021 EN (English) Reference number: 929 5/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

INSECTROL INSECT KILLER

Vaporizer Aerosol

Potential adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

d-Allethrin (231937-89-6)		
LC50 - Fish [1]	0.0000708 g/l	
EC50 - Crustacea [1] 0.000061 g/l		
permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichorovinyl)-2,2-dimethylcyclopro panecarboxylate (52645-53-1)		
1.050 Fish [4]		

permethrin (ISO); m-phenoxybenzyl 3-(2,2-dichorovinyl)-2,2-dimethylcyclopro panecarboxylate (52645-53-1)		
LC50 - Fish [1]	0.0089 mg/l 96 hrs	
LC50 - Fish [2]	0.145 mg/l 96 hrs	
EC50 - Crustacea [1]	0.02 mg/l 24 hrs	
ErC50 algae	> 0.011 mg/l 72 hrs	

12.2. Persistence and degradability

INSECTROL INSECT KILLER	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

INSECTROL INSECT KILLER	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : This product is for amateur use and can be disposed of as normal household waste. However,

if used in a place of work, any product and empty container must be disposed of as controlled

waste

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

1	4.1	LIN	num	her

 UN-No. (ADR)
 : 1950

 UN-No. (IMDG)
 : 1950

 UN-No. (IATA)
 : 1950

 UN-No. (ADN)
 : 1950

 UN-No. (RID)
 : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable
Proper Shipping Name (ADN) : AEROSOLS
Proper Shipping Name (RID) : AEROSOLS

Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS

01/07/2021 EN (English) Reference number: 929 6/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

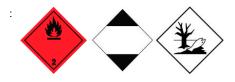
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS Transport document description (RID) : UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

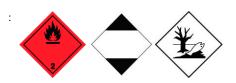
ADR

Transport hazard class(es) (ADR) : 2.1
Danger labels (ADR) : 2.1,



IMDG

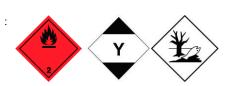
Transport hazard class(es) (IMDG) : 2.1
Danger labels (IMDG) : 2.1,



IATA

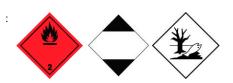
Transport hazard class(es) (IATA) : 2.1

Danger labels (IATA) : 2.1,



ADN

Transport hazard class(es) (ADN) : 2.1
Danger labels (ADN) : 2.1,



RID

Transport hazard class(es) (RID) : 2.1
Danger labels (RID) : 2.1



14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

01/07/2021 EN (English) Reference number: 929 7/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 11 Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207, LP02 Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR): MP9Transport category (ADR): 2Special provisions for carriage - Packages: V14

(ADR)

Special provisions for carriage - Loading, : CV9, CV12

unloading and handling (ADR)

Special provisions for carriage - Operation : S2

(ADR)

Tunnel restriction code (ADR) : D

- Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959

Limited quantities (IMDG) : SP277
Excepted quantities (IMDG) : E0

Packing instructions (IMDG) : P207, LP02
Special packing provisions (IMDG) : PP87, L2
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U
Stowage category (IMDG) : None
Stowage and handling (IMDG) : SW1, SW22
Segregation (IMDG) : SG69

- Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 203
PCA max net quantity (IATA) : 75kg
CAO packing instructions (IATA) : 203
CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

- Inland waterway transport

Classification code (ADN) : 5F

Special provisions (ADN) : 190, 327, 344, 625

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E0

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01, VE04

Number of blue cones/lights (ADN) : 1

- Rail transport

Classification code (RID) : 5F

Special provisions (RID) : 190, 327, 344, 625

Limited quantities (RID) : 1L

01/07/2021 EN (English) Reference number: 929 8/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Excepted quantities (RID) : E0

Packing instructions (RID) : P207, LP02 Special packing provisions (RID) : PP87, RR6, L2

Mixed packing provisions (RID) : MP9
Transport category (RID) : 2
Special provisions for carriage – Packages : W14

(RID)

Special provisions for carriage - Loading,

unloading and handling (RID)

: CW9, CW12

Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Type of product (Biocide) 18 - Insecticides, acaricides and products to control other arthropods

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

	Issue date	Modified	
2.2	Precautionary statements (CLP)	Modified	

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Flam. Gas 1A	Flammable gases, Category 1A
Muta. 1B	Germ cell mutagenicity, Category 1B
Press. Gas	Gases under pressure
Skin Sens. 1	Skin sensitisation, Category 1
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H340	May cause genetic defects.

01/07/2021 EN (English) Reference number: 929 9/10

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

H350	May cause cancer.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
EUH208	Contains Permethrin. May produce an allergic reaction.	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aerosol 1	H222;H229	On basis of test data
Aquatic Acute 1	H400	Annex VII conversion
Aquatic Chronic 1	H410	Calculation method

RI - SDS EU (REACH Annex II) CLP

Before using any product, ensure that you read and understand its label.

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01/07/2021 EN (English) Reference number: 929 10/10