

SAFETY DATA SHEET

Issuing Date No data available

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Revision Number 2



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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name ThermaCELL C15 Cartridge

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Repellant, Pest, Non-Aerosol

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name The Schawbel Corp.

Supplier Address 26 Crosby Drive
Bedford
MA
01730
US

Supplier Phone Number Phone:703-741-5500
Fax:781-541-6900
Contact Phone781-541-6900

Supplier Email Schawbel@Thermacell.net

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Germ cell mutagenicity	Category 1B
Flammable gases	Category 1
Simple asphyxiants	



GHS Label elements, including precautionary statements**Emergency Overview**

Signal word	Danger
Hazard Statements May cause genetic defects Extremely flammable gas May displace oxygen and cause rapid suffocation	
	
Appearance Clear	Physical state Compressed gas Gas
	Odor Odorless

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Fire

Leaking gas fire: Do not extinguish, unless leak can be stopped safely
 Eliminate all ignition sources if safe to do so

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

4. FIRST AID MEASURES

First aid measures

Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	In case of contact with liquefied gas, thaw frosted parts with lukewarm water. IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.
Ingestion	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	No information available.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂).

Unsuitable extinguishing media

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.

Specific hazards arising from the chemical

Will be easily ignited by heat, sparks or flames. Will form explosive mixtures with air. Vapors from liquefied gas are initially heavier than air and spread along ground. Vapors may travel to source of ignition and flash back. Ruptured cylinders may rocket.

Uniform Fire Code

Flammable Liquefied Gas

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. Move containers from fire area if you can do it without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Other Information

Ventilate the area.

Environmental precautions

Environmental precautions

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent spreading of vapors through sewers, ventilation systems and confined areas.

Methods and material for containment and cleaning up

Methods for containment

If possible, turn leaking containers so that gas escapes rather than liquid. Isolate area until gas has dispersed.

Methods for cleaning up

Do not direct water at spill or source of leak. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with eyes. Keep away from open flames, hot surfaces and sources of ignition. Contents under pressure. Do not puncture or incinerate cans.

Conditions for safe storage, including any incompatibilities

Storage Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Compressed gas, Gas	Odor	Odorless
Appearance	Clear	Odor Threshold	No information available
Color	No information available		
<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>	
pH	UNKNOWN	None known	
Melting / freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point	No data available	None known	
Evaporation Rate	No data available	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limit in Air			
Upper flammability limit	No data available		
Lower flammability limit	No data available		
Vapor pressure	No data available	None known	
Vapor density	No data available	None known	
Specific Gravity	.601	None known	
Water Solubility	Insoluble	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient: n-octanol/water	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	No data available	None known	
Explosive properties	No data available		
Oxidizing properties	No data available		

Other Information



Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Component Information

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.
US EPA Waste Number	D001

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D

TDG

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
Packing Group	NONE
Description	UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1, NONE

MEX

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
Description	UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1

ICAO

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
Description	UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1

IATA

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
Description	UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1, NONE

IMDG/IMO

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
EmS-No.	F-D, S-U
Description	UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1, NONE

RID

UN-No.	UN2037
Proper Shipping Name	RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class	2.1
Classification code	5F

Description UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1

ADR

UN-No. UN2037
Proper Shipping Name RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class 2.1
Classification code 5F
Tunnel restriction code (D)
Description UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1

ADN

UN-No. UN2037
Proper Shipping Name RECEPTACLES, SMALL, CONTAINING GAS
Hazard Class 2.1
Classification code 5F
Special Provisions 191, 303, 344
Description UN2037, RECEPTACLES, SMALL, CONTAINING GAS, 2.1
Limited Quantity 1 L
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL All components are listed either on the DSL or NDSL.
IECSC -

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 4	Instability 0	Physical and Chemical Hazards - SA
HMIS	Health Hazards 2 *	Flammability 4	Physical Hazard 0	
				Personal Protection X

Chronic Hazard Star Legend * = Chronic Health Hazard

Prepared By Product Stewardship
 23 British American Blvd.
 Latham, NY 12110
 1-800-572-6501
Revision Date 20-Nov-2014
Revision Note No information available

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



Safety Data Sheet
IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL

Safety Data Sheet dated 18/10/2013, version 3

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

- 1.1. Product identifier
 - Mixture identification:
 - Trade name: IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL
 - Trade code: ZSDS17002
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use: Solid insecticide
- 1.3. Details of the supplier of the safety data sheet
 - Company: ZOBELE HOLDING S.p.A
 - Via Fersina 4 - 38123 - Trento (Italy)
 - ZOBELE HOLDING S.p.A - Phone n.+39 0461/303700 (Working hours)
- Competent person responsible for the safety data sheet: info@zobe.com
- 1.4. Emergency telephone number
ZOBELE HOLDING S.p.A - Phone n.+39 0461/303700 (Working hours)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
N Dangerous for the environment
R Phrases:
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EC regulation criteria 1272/2008 (CLP):



Warning, Aquatic Acute 1, Very toxic to aquatic life.



Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements



N

Symbols:

N Dangerous for the environment

- R Phrases:
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- S Phrases:
S2 Keep out of the reach of children.
S29/56 Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Symbols:



Warning

Hazard statements:

- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P273 Avoid release to the environment.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions: None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards: No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances - N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

21,97 % d-Allethrin;(Pynamine forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl

(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

Index number: 006-025-00-3, CAS: 231937-89-6, EC: 209-542-4

Xn,N; R20/22-50/53



3.1/4/Inhal Acute Tox. 4 H332



3.1/4/Oral Acute Tox. 4 H302



4.1/A1 Aquatic Acute 1 H400



4.1/C1 Aquatic Chronic 1 H410

7.69 % Hydrocarbons, C12-C16, isoalkanes,cyclic <2% aromatics

REACH No.: 01-2119456377-30, EC: 927-676-8

Xn; R65-66



2.6/3 Flam. Liq. 3 H226



3.10/1 Asp. Tox. 1 H304

1.92 % Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

REACH No.: 01-2119456810-40, EC: 920-901-0

Xn; R65-66



2.6/3 Flam. Liq. 3 H226



3.10/1 Asp. Tox. 1 H304



3.2/2 Skin Irrit. 2 H315

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:Wash with plenty of water and soap.

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

In case of Ingestion:Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed - None

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

Treatment: None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

- Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up - Wash with plenty of water.
6.4. Reference to other sections - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s) - None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
Hydrocarbons, C12-C16, isoalkanes, cyclic <2% aromatics
TLV TWA - 200 mg/m³
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics
TLV TWA - 1200 mg/l
DNEL Exposure Limit Values - N.A.
PNEC Exposure Limit Values - N.A.
- 8.2. Exposure controls
Eye protection: Not needed for normal use. Anyway, operate according good working practices.
Protection for skin: No special precaution must be adopted for normal use.
Protection for hands: Not needed for normal use.
Respiratory protection: Not needed for normal use.
Thermal Hazards: None
Environmental exposure controls: None

SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- | | |
|---|--|
| Appearance and colour: | Blue cardboard insecticide mat weighing about 2100mg |
| Odour: | Characteristic |
| Odour threshold: | N.A. |
| pH: | N.A. |
| Melting point / freezing point: | N.A. |
| Initial boiling point and boiling range: | N.A. |
| Solid/gas flammability: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. |
| Vapour density: | N.A. |
| Flash point: | N.A. |
| Evaporation rate: | N.A. |
| Vapour pressure: | N.A. |
| Relative density: | N.A. |
| Solubility in water: | Partially miscible |
| Solubility in oil: | Partially miscible |
| Partition coefficient (n-octanol/water): | N.A. |
| Auto-ignition temperature: | N.A. |
| Decomposition temperature: | N.A. |
| Viscosity: | N.A. |
| Explosive properties: | N.A. |
| Oxidizing properties: | N.A. |
- 9.2. Other information
- | | |
|--------------------------------------|------|
| Miscibility: | N.A. |
| Fat Solubility: | N.A. |
| Conductivity: | N.A. |
| Substance Groups relevant properties | N.A. |

SECTION 10: Stability and reactivity

- 10.1. Reactivity - -Stable under normal conditions

Safety Data Sheet
IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL

- 10.2. Chemical stability - Stable under normal conditions
- 10.3. Possibility of hazardous reactions - None
- 10.4. Conditions to avoid - Stable under normal conditions.
- 10.5. Incompatible materials - None in particular.
- 10.6. Hazardous decomposition products - None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture: N.A.

Toxicological information of the main substances found in the mixture:

d-Allethrin; (Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 900 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 3.85 mg/l - Duration: 4h

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 5000 mg/m³ - Duration: 8h

Test: LC50 - Route: Oral - Species: Rat 5000 mg/kg

Test: LC50 - Route: Skin - Species: Rabbit 5000 mg/kg

IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL -

d-Allethrin; (Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

EYE RBT Non-irritant

IHL RAT LC50 >3,875 mg/l

ORL RAT LD50 900 mg/Kg

SKN GPG Non-sensitiser

SKN RBT Non-irritant

SKN RBT LD50 2260 mg/Kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

d-Allethrin; (Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl
(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.134 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 0.047 mg/l - Duration h: 48

12.2. Persistence and degradability - None

d-Allethrin; (Pynamin forte); (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl

(1R,3R;1R,3S)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate - CAS: 231937-89-6

Biodegradability: Non-rapidly degradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.

12.3. Bioaccumulative potential - N.A.

12.4. Mobility in soil - N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects - None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number
- | | |
|-----------------|------|
| ADR-UN number: | 3077 |
| IATA-Un number: | 3077 |
| IMDG-Un number: | 3077 |
- 14.2. UN proper shipping name
- | | |
|----------------------|---|
| ADR-Shipping Name: | Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity |
| IATA-Technical name: | Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity |
| IMDG-Technical name: | Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity |
- 14.3. Transport hazard class(es)
- | | |
|-------------|---|
| ADR-Class: | 9 |
| IATA-Class: | 9 |
| IMDG-Class: | 9 |
- 14.4. Packing group
- | | |
|---------------------|-----|
| ADR-Packing Group: | III |
| IATA-Packing group: | III |
| IMDG-Packing group: | III |
- 14.5. Environmental hazards
- | | |
|-------------------|------------------|
| Marine pollutant: | Marine pollutant |
|-------------------|------------------|
- 14.6. Special precautions for user
- | | |
|----------------------|---|
| IMDG-Technical name: | Environmentally hazardous substance, solid, N.O.S (d-Allethrin). Limited quantity |
|----------------------|---|
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code - No

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.
- Where applicable, refer to the following regulatory provisions :
- | |
|---|
| Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments. |
| Regulation (EC) nr 648/2004 (detergents). |
| 1999/13/EC (VOC directive) |

- 15.2. Chemical safety assessment - No

SECTION 16: Other information

- Text of phrases referred to under heading 3:
- R20/22 Harmful by inhalation and if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
- H332 Harmful if inhaled.
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

Paragraphs modified from the previous revision:

- SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 14: Transport information
SECTION 15: Regulatory information



Safety Data Sheet
IC-REFL-MAT-BULK-THERMACELL BIG MAT PHIL

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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