

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

INTRACURE

Date of Preparation	28/07/2015
Date of Issue	28/07/2015
MSDS No	FORM_MSDS_R&D_243_00
Renewal Date/No	-

Sayfa No: 1/8

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

1. IDENTIFICATION OF THE MATERIAL AND COMPANY

1.1 Material/Preparation Identification:

Product Name : INTRACURE
Product Content : Pyriproxyfen 100 g/L
Formulation Form : EC (EMULSIFIER CONCANTRATE)

Pyriproxyfen

Cas No : 95737-68-1
EINECS : 429-800-1
IRAC : 7C juvenile hormone mimic

1.2 Usage of the Material/Preparation:

Insecticide

1.3 Company Identification:

Manufacturing and License Holding Company:

Company Name : AGRI SCIENCES TARIM VE İLAÇÜR. SAN. TİC. LTD. ŞTİ.
Address : Bekir Saydam Caddesi Pancar No: 31 Torbalı / İZMİR
Telephone : +90 0232 864 13 33
Fax : +900232 864 16 79

1.4. Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33.

2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Pyriproxyfen	100	95737-68-1	429-800-1	N	R50, R53	N; R50, R53
Ksilen	>650	1330-20-7	215-535-7	Xn, Xi	R10, R20/21, R38	R10, Xn; R20/21, R38
Others	Outside classification due to absence of hazardous material.					

- ¹ R explanations are under section 16.

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3. HAZARDS IDENTIFICATION:



N: DANGEROUS FOR THE ENVIRONMENT

- R10 : Flammable.
R20/21 : Harmful, if inhaled and contact with skin.
R38 : Irritating the skin.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. FIRST AID MEASURES:

Symptoms of Poisoning: There are not any specific symptom. Common symptoms include initial nausea, vomiting, stomachaches and diarrhea. If poisoning occurs, immediately contact a doctor.

Swallowed: If swallowed, do not induce vomiting. Wash mouth with water. Give water to drink. Seek medical advice.

Skin Contact: If on skin, remove contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing before re-use. Seek medical advice if irritation develops.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison center or doctor for treatment advice.

Inhalation: If affected, remove from contaminated area to fresh air. If any signs or symptoms occur or persist, seek medical advice.

Antidote: There is not specific antidote.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Small fire: Use dry chemical, carbon dioxide, water spray or foam.

Large fire: Use water spray, fog or foam.

Hazards: Formation of dangerous gases is taken into account in case of fire.

Precautions for Fire Fighting and Special Protective Equipment

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Ensure respiratory equipment is available. Evacuate immediate area. Advise Fire Brigade of nature of hazard. Wear full protective equipment, including breathing apparatus. Surrounding containers should be cooled using a fine water spray. All run-off must be contained.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use personal protection devices, specified in section 8.

Personal Precautions: Do not touch spilled product or contaminated surfaces. Do not eat, drink or smoke while handling spilled product.

Clean-up Methods: The spilled material should be collected with a liquid retaining material (for instance; absorbent sand, sawdust, chemical binder). Place the product into tightly sealed plastic containers and store it in a safe place until it is disposed.

Contaminated materials and surfaces should be cleaned in compliance with environmental regulations. The spilled material should be prevented from reaching sewage or running water. If waste is mixed with water, the authorities must be notified.

Additional Precautions: Refer to Section 7 for safe handling instructions. Refer to Section 8 for personal protections equipment. Refer to Section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Use personal protective equipment mentioned in section 8. Do not use or store near flame, sparks or hot surfaces. Use only in well ventilated area. Keep container tightly closed. Keep out of reach of children, unauthorised persons and animals. Do not eat or drink when using. Avoid contact with skin, mouth and eyes. After using wash hands, arms and face with soap and water. Not need to security measures other than specified warnings in closed containers.

Conditions for Safe Storage: Keep out of reach of children, unauthorised persons and animals. Store in the closed, original container in a dry, cool, well ventilated area, out of direct sunlight. Keep container tightly closed. Do not store near food, feedstuffs, fertiliser or seed. Store at ambient temperatures.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Ensure appropriate general or local ventilation to keep the product concentration under allowed limits.

Personal Protective Equipment:

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Eye Protection: Avoid contact with eyes. Use eye protection equipment compliant with EN 166.

Skin and Body Protection: Use protective clothing and appropriate gloves. Use 2 layers of clothing, if possible. Use CE marked Nitrile Rubber (min. 0.40 mm thick).

Contaminated gloves should be washed. Any gloves that cannot be cleaned inside and outside should be disposed.

Respiratory Protection: Use respiratory apparatuses compliant with EN 149:2001. Any respiratory protection apparatus should only be used for short term operations, as a part of risk minimization measures, e.g. in case of local ventilation. Comply with operation instructions and warnings of the manufacturer during use of respiratory protection apparatuses.

Hygiene Measures: Do not eat, drink or smoke while handling the product. Wash your hands each time before eating, drinking, smoking or going to the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: : Liquid
Color : Yellowish
Odor : Aromatic
Density : $0,94 \pm 0.05 \text{g/cm}^3$ (20°C)
pH : 5-9 1% (20°C)

10. STABILITY AND REACTIVITY

Conditions to be avoided : Avoid direct sunlight. Isolate from sources of heat, naked flames or sparks

Materials to be avoided : Keep away from strong acids and alkalis.

Dangerous reaction : There is no dangerous reaction in appropriate storage and usage. No dangerous polymerization products.

11. TOXICOLOGICAL INFORMATION

Pyriproxyfen Technical Material:

Acute Oral: LD₅₀ for rats > 5000 mg/kg.

Eye and Skin: Acute percutaneous LD₅₀ rat > 2000 mg/kg.. Not an irritant to skin and eyes (rabbits). Not a skin sensitiser (guinea pigs).

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Inhalation: LC₅₀ (4h) for rat > 1300 mg/m³
NOEL: (2 y) for rats 600 ppm, (35.1 mg/kg b.w.) (EPA Tracking).
ADI/RfD: (JMPR) 0.1 mg/kg b.w. [1999,2001], (EC) 0.1 mg/kg[2008]; (EPA) 0.35 mg/kg b.w. [1999]
Water GV: 0.3 mg/l (not to be used as a GV where added to water for public health purposes).
Toxicity Class: WHO (a.i.) U.

12. ECOLOGICAL INFORMATION

Pyriproxyfen Technical Material:

Birds: Acute oral LD₅₀ for mallard ducks and bobwhite quail >2000 mg/kg. Dietary LC₅₀ for bobwhite quail and mallard ducks >5200 ppm.
Fish: LC₅₀ (96 h) for rainbow trout >0.325 mg/l. Daphnia EC₅₀ (48 h) 0.40 mg/l.
Algae: EC₅₀ (72 h) for Selenastrum capricornutum 0.064 mg/l.

13. DISPOSAL CONSIDERATIONS

Product: Do not dispose it together with household wastes. Waste residue should not be spilled into wastewater canals. Any product wastes should be disposed of in compliance with Hazardous Wastes Control Regulations.

Contaminated Packaging: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No. :3082
Hazard Class :9
Packing Group :III
Product Type :UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (Contains Pyriproxyfen and xylene).

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IMDG

UN-No. :3082

Hazard Class :9

Packing Group :III

EMS

Marine Pollutant :Yes

Product Type :UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (ContainsPyriproxyfen and xylene).

IATA

UN-No. :3082

Hazard Class :9

Packing Group :III

Product Type :UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (ContainsPyriproxyfen and xylene).

15. REGULATORY INFORMATION

This data sheet is prepared based on regulation on preparation and distribution of safety data sheets about hazardous materials and preparations (O.G. issue no 27092 dated 26/12/2008).

Hazard Marks and Symbols:



Xn: Harmful



N: DANGEROUS FOR THE ENVIRONMENT

Hazardous Materials Listed on the Label

Pyriproxyfen

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Risk Phrases

Physicochemical

R10 : Flammable.

Health

R20/21 : Harmful, if inhaled and contact with skin.

R38 : Irritating the skin.

Environment

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases

S1/2 : Keep away from children and store under lock.

S9 : Keep container in a well-ventilated place

S13 : Keep away from foods, drinks and animal feedstuffs

S36 : Wear suitable protective clothing

S37 : Wear suitable gloves

S:46 :If swallowed, seek medical advice immediately, show the container or label.

S 56 : Dispose the material at hazardous or special waste collection point.

S64 : If swallow, rinse mouth with water (Only if the person is conscious).

Important Labelling:

Follow instructions to avoid personal and environmental risks.

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16. OTHER INFORMATION

All Hazard Symbols Mentioned in Section 2:

Xn: Harmful

Xi: Irritant

N: Dangerous for the environment

All Risk Phrases Mentioned in Section 2:

R10: Flammable.

R20/21: Harmful, if inhaled and contact with skin.

R38: Irritating to skin.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Prepared By : Remzi Can KARAN

This material safety data sheet is provided as a supplement to instructions of manufacturer; however it does not replace instructions of manufacturer. The information provided in this sheet includes criteria of regulatory when preparing Safety Data Sheet. Required data are prepared in accord with "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and Preparations (O.G. issue no 27092 dated 26/12/2008)". Concerned institutions and people are invited to comply with the mentioned regulation.