

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

AMPREX

Date of Preparation	27/07/2015
Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 1/10

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. MATERIAL/PREPARATION AND COMPANY/OWNER IDENTIFICATION:

1.1 Material/Preparation Identification:

Product Name : **AMPREX**
Product Content : ABAMECTIN 33,7 g/L
Formulation Form : EC (Emulsion Concentrate)
Cas No : 71751-41-2 (abamectin), 65195-55-3 (avermectin B1a),
65195-56-4 (avermectin B1b)
EC No : 265-610-3 avermectin B1a; 265-611-9 avermectin B1b
IRAC : 6 avermectin

1.2 Usage of the Material/Preparation:

Insecticide

1.3 Company Identification:

Manufacturing and License Holding Company:

Company Name: AGRİ SCIENCES TARIM VE İLAÇÜR. SAN.TİC.LTD. ŞTİ.

Address : BekirSaydamCaddesiPancar 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.

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Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 2/10

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).

2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R ¹	Classification
Abamectin	33,7	71751-41-2 (abamectin), 65195-55-3 (avermectin B1a), 65195-56-4 (avermectin B1b)	265-610-3 avermectin B1a; 265-611-9 avermectin B1b	T+; N	R20,R28,R50	T,N R20,R25, R51/53
Ksilen	>500	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.

3. HAZARD IDENTIFICATION:



T: TOXIC



N: DANGEROUS FOR THE ENVIRONMENT

- R10 : Flammable
- R20 : Harmful by inhalation
- R21 : Harmful in contact with skin
- R25 : Toxic if swallowed
- R38 : Irritating to skin
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 3/10

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).

4. FIRST AID MEASURES:

Poisoning indicators: Dilution of the pupil. Causes mydriasis, impaired concentration in muscles.

First Aid Measures: In case of contact with eyes: Rinse with plenty of water for at least 15 minutes and seek medical measures.

In case contact with skin: Take out the pesticide contaminated clothes and wash the contacted parts with soap and water.

If inhaled: Take patient to fresh air. Apply artificial respiration if necessary.

If swallowed: Puke the patient by making him/her drink 1-2 glasses of water in case too much exposure with too much pesticide. Do not puke if the patient is unconscious.

Antidote and Required Information: There is no specific antidote. The treatment is applied according to the symptoms. In case of toxicity, puke the patient within 30 minutes. Medical coal should be given. GABA accelerator drugs (Barbiturate, Benzodiazepine, Valproic acid) should be given.

5. FIRE FIGHTING MEASURES

Personal protection equipment for fire fighting: Do not inhale the gases occurred during the explosion and fire. If possible use air-independent respiratory masks.

Hazards: Consider the hazardous gases come out during the fire.

Extinguishers: Foam, Carbon dioxide, fire extinguishing powder.

Other Information: Move the product away from the fire place, cool the containers using water. If possible, use sand and soil after the fire extinguishing liquid.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Please use the personal protection equipment defined under Section 8.

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

Spill Clean-up Procedure: Collect the product with a liquid retaining material (e.g. sand, sawdust, chemical binders). Place the product into tight plastic containers and keep safely until it is disposed. Contaminated materials and surfaces should be cleaned in

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MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 4/10

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).

compliance with environmental regulations. The product is prevented from reaching the drains or rivers. If the waste is mixed with water, the authorities will 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

Handling : Please use the personal protection equipment specified under Section 8. Do not eat or drink while handling the product. Avoid contact with the mouth, the skin or the eyes. Do not inhale the product. After handling the product thoroughly you're your hands. When handling closed containers no additional safety precautions other than the specified ones are needed. Only handle the product in rooms with a local suction device.

Storage : Please store the product in its original container, in a cool, dry and well-ventilated place. Keep away from food, drink and animal feed items. Protect from exposure to direct sunlight. Protect against freezing. Keep the product away from the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal Protection Equipment:

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

Skin 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.

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AMPREX

Date of Preparation	27/07/2015
Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 5/10

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).

Good Hygiene Conditions: Do not eat, drink or smoke while handling the product. Make sure to wash your hands each time before eating, drinking, smoking or going to the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Colour	: Yellowish liquid
Odour	: Aromatic
Specific Gravity	: $0,91 \pm 0,05 \text{ g/cm}^3 (20^{\circ}\text{C})$
pH	: 6 ± 1 (%1 solution)
Flash point	: $35 \pm 5^{\circ}\text{C}$

10. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and exposure to direct sunlight

Substances to avoid: Keep away from strong acids and bases.

Hazardous reactions: When stored and handled appropriately no hazardous reactions are observed. Toxic and irritant vapours may occur following combustion or thermal decomposition. Durable for described storage conditions . Hazardous polymerization products do not occur.

11. TOXICOLOGICAL INFORMATION

Abamectin Technical Material:

Acute oral LD₅₀ (in sesame oil) rat 10, mouse 13.6 mg/kg; (in water) rat 221 mg/kg.

Skin and eye acute Percutan LD₅₀ rabbit >2000 mg/kg.

Other: Not multigenic in Ames test.

12. ECOLOGICAL INFORMATION

Abamectin Technical Material:

Birds acute oral LD₅₀ mallard ducks 84.6, bobwhite quail >2000 mg/kg.

Fish LC₅₀ (96 hours) rainbow trout 3.2, bluegill sunfish 9.6 µg/l.

Alg EC₅₀ (72 hours) *Pseudokirchneriella subcapitata* >100 mg/l.

Bees: Toxic for bees.

MATERIAL SAFETY DATA SHEET

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MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 6/10

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).

13. DISPOSAL CONSIDERATIONS

Waste Disposal : Do not dispose product waste 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 Materials : Empty containers should not be used for other products. Completely emptied and rinsed containers should be disposed in compliance with regulations. Non-clearable containers should be disposed of as hazardous materials.

14. TRANSPORTATION INFORMATION

ADR/RID/ADNR /RID/ADNR

UN-No. : 2903

Class : 6.1

Packing Group : III

Product Type : UN 2903 PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., FLASHPOINT NOT LESS THAN 23°C. (INCLUDES ABAMECTIN, VE XYLENE.)

IMDG

UN-No. : 2903

Class : 6.1

Packing Group : III

EMS :

Marine Pollutant : Yes

Product Type : UN 2903 PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., FLASHPOINT NOT LESS THAN 23°C. (INCLUDES ABAMECTIN, VE XYLENE.)

IATA

UN-No. : 2903

Class : 6.1

Packing Group : III

Product Type : UN 2903 PESTICIDE, LIQUID, TOXIC, FLAMMABLE, N.O.S., FLASHPOINT NOT LESS THAN 23°C. (INCLUDES ABAMECTIN, VE XYLENE.)

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Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 7/10

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).

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:



T: TOXIC



N: DANGEROUS FOR THE ENVIRONMENT

Hazardous Materials Listed on the Label

Includes Abamectin, Xylene

Risk Phrases:

Physicochemical: -

R10 : Flammable.

Health:

R20 : Harmful by inhalation

R21 : Harmful in contact with skin

R25 : Toxic if swallowed

R38 : Irritating to skin

Environment:

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S1/2: Keep locked and away from children.

S13: Keep away from food, drink and animal feed.

S20: Do not eat or drink during usage.

S 28: Wash with plenty of water in case of contact with skin.

S 35: Dispose of this material and its container carefully.

S37: Wear suitable gloves

S43: Use foam, carbon dioxide, extinguishing powder in case of fire

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Renewal Date/No	19.07.2016

Page No: 8/10

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).

S45: Call a doctor if you feel bad or in case of accident.

S:46: If swallowed, call a doctor. Show the container or label

S 56: Dispose of this material and its container dangerous or special waste collection areas

S64: In case of swallow, wash the mouth with water (If the patient is conscious)

16. OTHER INFORMATION

N :Dangerous for the environment

Xi : Irritating.

Xn : Harmful

T : Toxic

T⁺ : Too Toxic

All Risk Phrases under Section 2:

R10 : Flammable

R20 : Harmful by inhalation

R20/21: Harmful by inhalation and in contact with skin

R25 : Toxic if swallowed

R28 : Very toxic if swallowed

R36 : Irritating to eyes

R36/38: Irritating to eyes and skin

R38 : Irritating to skin

R50 : Very toxic to aquatic organisms

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Date of Preparation	27/07/2015
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MSDS No	FORM_MSDS_R&D_215_00
Renewal Date/No	19.07.2016

Page No: 9/10

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).

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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 only conforms to the regulatory criteria known at the time of the preparation of Safety Data Sheet. Required data are gathered 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 organizations and persons are invited to comply with the abovementioned regulation.