

# MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

**HICKORY**

Date of Preparation	15/08/2012
Date of Issue	15/08/2012
MSDS No	FORM_MSDS_R&D_075_00
Renewal Date/No	

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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** : **HICKORY**  
**Product Content** : IPRODIONE 50%  
**Formulation Form** : WP (Wettable Powder)

#### Iprodione

**Cas No** : 36734-19-7  
**EC No** : 253-178-9  
**FRAC** : 2, E3 dicarboximide

### 1.2 Usage of the Material/Preparation:

Fungicide

### 1.3 Company Identification:

#### Manufacturing and License Holding Company:

**Company Name** : AGRI SCIENCES TARIM VE ILAC UR. SAN. TIC. LTD. STI.  
**Address** : Bekir Saydam Caddesi Pancar No: 31 Torbali / IZMIR  
**Telephone** : +90 0232 864 13 33  
**Fax** : +90 0232 864 16 79

### 1.4 Emergency Contact Telephone:

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

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## 2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Iprodione	50	36734-19-7	253-178-9	Xn; N	R40, R50, R53	Xn; R40, N; R50, R53
Others	Outside classification due to absence of hazardous material.					

- <sup>1</sup> R explanations are under section 16.

## 3. HAZARD IDENTIFICATION:



Xn: Harmful (carcinogenic level.3)



N: dangerous for the environment

R41: Limited proof for carcinogenic effect.

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

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## 4. FIRST AID MEASURES:

**Poisoning indicators:** If taken overdose, tension in muscles, reflex reduction and imbalance in movements.

**First Aid Measures:** In case of poisoning please contact a doctor, and show the container and label of the product to the doctor. Any body parts which came into contact with the product should be rinsed using soap and plenty of water.

**Antidote and Necessary Information:** There is no specific antidote. The treatment is applied according to the symptoms.

## 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.

**Clean-up Methods:** The poured material is collected with a dust catcher material or an appropriate vacuum. Place the product into tight plastic containers and keep safely until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations.

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**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** : Keep away from acids. Please use the personal protection equipment specified under Section 8. Do not eat or drink while using. Prevent the contact with mouth, skin and eyes. Do not inhale. Wash your hands after using. Other security precautions are not required except of stated warnings during using the closed package. Use only in rooms, in which there is a local sucking device.

**Storage** : Keep in original package in cool, dry and well ventilated places. Keep away from food and animal feed items. Keep away from direct sunlight. Keep it in places that children cannot reach.

### 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** : Use eye protection equipment compliant with EN 166.

**Skin** : 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** : 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : Solid, powder  
**Colour** : Beige-yellow  
**Odour** : Lightly Characteristic  
**pH** : 5.0-9.0 1% (20<sup>0</sup>C)  
**Water solubility** : Dispers

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided** : Extreme degrees and direct sun light  
**Hazardous reactions:** When stored and handled appropriately no hazardous reactions are observed.  
**Hazardous decomposition products:** When stored and handled appropriately no hazardous decomposition products are observed.

## 11. TOXICOLOGICAL INFORMATION

### Iprodione Technical Material:

Acute oral LD<sub>50</sub> mouse and rat >2000 mg/kg.

Skin and eye: Acute Percutane LD<sub>50</sub> rat and rabbit >2000 mg/kg. Not skin and eye irritating for rabbits

Respiration LC<sub>50</sub> (4 hours) rat >5.16 mg/l air. NOEL (2 yl) rat 150 mg/kg diet; (1 year) dog 18 mg/kg b.w. ADI/RfD (JMPR) 0.06 mg/kg b.w. [1995]; (EC) 0.06 mg/kg b.w. [2003]; (EPA) aRfD 0.06, cRfD 0.02 mg/kg b.w. [1998].

**Toxicity class** WHO (a.i.) U; EPA (formulation) III

## 12. ECOLOGICAL INFORMATION

### Iprodione Technical Material:

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Bird Acute oral LD<sub>50</sub> bobwhite quail >2000, mallard ducks >10 400 mg/kg.

Fish LC<sub>50</sub> (96 saat) rainbow trout 4.1, bluegill sunfish 3.7 mg/l.

Alg EC<sub>50</sub> (120 saat) *Selenastrum capricornutum* 1.9 mg/l. Bee Contact LD<sub>50</sub> >0.4 mg/bee

## 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

**UN-No.** : 3077

**Hazard Mark** : 9

**Packing Group** : III

**Product type** : UN 3077 ENVIRONMENTALLY HAZARDOUS MATERIAL, SOLID, N.O.S. (DOESN'T CONTAIN WATES) (CONTAINS IPRÓDIONE)

### IMDG

**UN-No.** : 3077

**Class** : 9

**Packing Group** : III

**EMS** :

**Marine Pollutant** : Yes

**Product Type** : UN 3077 ENVIRONMENTALLY HAZARDOUS MATERIAL, SOLID, N.O.S. (DOESN'T CONTAIN WATES) (CONTAINS IPRÓDIONE)

### IATA

**UN-No.** : 3077

**Class** : 9

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**Packing Group** : III  
**Product Type** : UN 3077 ENVIRONMENTALLY HAZARDOUS MATERIAL, SOLID, N.O.S. (DOESN'T CONTAIN WATES) (CONTAINS IPRODIONE)

## 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 (carcinogenic level.3)**

**N: dangerous for the environment**

### Hazardous Materials Listed on the Label

Includes Iprodione.

### Risk Phrases:

**Physicochemical** : -

**Health** : R40: Limited proof for carcinogenic affect.

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

### Safety Phrases:

S1/2 : Keep it locked and a place where children cannot reach

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

S29/56: Do not spill in sewage system. Dispose of this material and its container dangerous or special waste collection areas.

S 36/37: Wear appropriate protective clothes, gloves.

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

### Important Labelling:

Follow instructions to avoid personal and environmental risks.

### Additional Information:

Toxicity Class: WHO (a.i.) EPA Formulation III.

## 16. OTHER INFORMATION

N: Dangerous for the environment

Xi: Harmful

### All Risk Phrases under Section 2:

R41: Limited proof for carcinogenic effect

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

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**Prepared By** : Secil CANAYAKIN

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.