

# MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

NAUTILUS

Date of Preparation	11/09/2011
Date of Issue	14/09/2011
MSDS No	FORM_MSDS_R&D_010_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** : NAUTILUS  
**Product Content** : Mineral Oil 700 g/L  
**Formulation Form** : Mayonnaise type (Stock Emulsion)  
**Cas No** : 64742-55-8  
**EC No** : 265-158-7  
**FRAC Class** : NC

### 1.2 Usage of the Material/Preparation:

Acaricide

### 1.3 Company Identification:

#### Manufacturing and License Holding Company:

**Company Name** : AGRİ SCIENCES TARIM VE İLAÇ ÜR. SAN. TİC. LTD. ŞTİ.  
**Address** : Bekir Saydam Caddesi Pancar No: 31 Torbalı / İZMİR  
**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.

## 2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ELINCS	Hazard	R <sup>1</sup>	Classification
Mineral Oil	700	64742-55-8	265-158-7	T	Carc. Cat. 2; R45	T; Carc. Cat. R45
Others	Outside classification due to absence of hazardous material.					

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

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### 3. HAZARD IDENTIFICATION:



T: Toxic.(Carc. Cat. 2)

R45: May cause cancer

### 4. FIRST AID MEASURES:

**First Aid Measures:** In case of emergency take the patient and the pesticide label to the doctor immediately. Take off the contaminated clothes and wash with soap and detergent. If splashing to eyes, wash with plenty of water for 15 minutes. If swallowed, puke vomiting.

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

### 5. FIRE FIGHTING MEASURES

**Extinguisher:** CO<sub>2</sub>, extinguisher powder, foam, sand. Do not use water. Get intervene to extinguish the fire until a serious danger occurs. Wear a protective mask.

**In well-ventilated areas:** Face mask with combined filter (It does not protect from carbon mono oxide.)

**In closed areas:** Isolation device (inhalation via independent air source). Prevent extinguisher water to spread to environment

**Dangerous products may be occurred because of fire:** Carbon dioxides, water vapor, unidentified organic components and intensive irritant fume.

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## 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:** Product is collected with liquid holder materials (such as sand, sawdust, chemical binders). Collect the material in tight plastic containers and keep safely until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations.

**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, drink and animal feed items. Keep away from direct sunlight. Keep it in places that children cannot reach. Storage temperature 0-40° C

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## 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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : Homogenous, mayonnaise type oil

**Color** : White

**Odor** : Light Characteristic

**Density** : 0.84-0.92 g/ml g/cm<sup>3</sup> (20<sup>0</sup>C)

**pH** : 4-9 10% (20<sup>0</sup>C)

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## 10. STABILITY AND REACTIVITY

**Conditions to be avoided** : Extreme degrees and direct sun light

**Materials to be avoided** : None

**Dangerous reaction** : No reaction in appropriate storage and usage. It is resistant in mentioned storage conditions

## 11. TOXICOLOGICAL INFORMATION

### Mineral Oil:

Skin and Eye Dermal LD<sub>50</sub> rabbits >5000 mg/kg. Not cause sensitivity on skin (Buehler guinea pig test). Others: Toxicological problem is not reported for petroleum products.

## 12. EKOLOJİK BİLGİ

### Mineral Oil:

Polynuclear aromatic products have no risk to enter to the nutrition chain.

## 13. DISPOSAL INFORMATION

**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 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.

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## 14. TRANSPORTATION INFORMATION

### ADR/RID/ADNR

UN-No. : 2902

Hazard Mark : 6.1

Packing Group : III

Product type : UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (INCLUDES MINERAL OIL)

### IMDG

UN-No. : 2902

Class : 6.1

Packing Group : III

EMS :

Marine Pollutant : Yes

Product type : UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (INCLUDES MINERAL OIL)

### IATA

UN-No. : 2902

Class : 6.1

Packing Group : III

Product type : UN 2902 PESTICIDE, LIQUID, TOXIC, N.O.S. (INCLUDES MINERAL OIL)

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## 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. (Carc. Cat. 2)

### Hazardous Materials Listed on the Label

Includes Mineral oil

### Risk Phrases:

**Physicochemical: -**

### Health:

R45: May cause cancer.

### Environment:-

### Safety Phrases:

S1/2: Lock it up and keep out of the reach of children.

S13: Keep away from foods, drinks and feeds.

S28: In the event of touching with skin, immediately wash it plenty of water.

S35: This substance and tank must be removed safely.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection..

S44: If you feel bad or in case of accident, call a doctor (if possible, show the label)

S45: Call a doctor if swallowed and show the container or label.

S53: Avoid from exposure. Obtain the special usage instruction before using.

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## Important Labeling:

Follow instructions to avoid personal and environmental risks

## 16. OTHER INFORMATION

**T: Toxic**

### All Risk Phrases under Section 2:

R45: May cause cancer

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**Prepared By** : Seçil 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.