

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

SPRINT

Date of Preparation	27/07/2015
Date of Issue	27/07/2015
MSDS No	FORM_MSDS_R&D_216_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 : **SPRINT**
Product Content : CHLOROTHALONİL 500 g/L
Formulation Form : SC (Suspension Concentrate)
Cas No : 1897-45-6
EC No : 217-588-1
FRAC : M5, M multi-site: chloronitrile

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 ¹	Classification
Chlorothalonil	500	1897-45-6	217-588-1	T ⁺ , N	R26, R37, R40, R41, R43, R50/53	T ⁺ ; R26, R37, R40, R41, R43, N; R50/53
Monoetilen Glikol	80	107-21-1	203-473-3	Xn	R22	-
Others *	Out of classification due to the fact that it does not include hazardous material.					

- ¹ R explanations are under section 16.

3. HAZARD IDENTIFICATION



T+: Very Toxic



N: DANGEROUS FOR THE ENVIRONMENT

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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4. FIRST AID MEASURES

Poisoning Symptoms: Irritant for eyes. In case of contacting with skin, temporal rash or allergic effects can be observed.

Eye Contact: Wash eyes with plenty of water for 15 min. Consult an eye specialist.

Skin contact: Wash off with soap and water.

If inhaled: Move patient to fresh and well-ventilated area, call a doctor.

If swallowed: If patient is not unconscious, the mouth should be rinsed, do not puke.

Antidote and Necessary Information: There is no special antidote. Symptomatic treatment is applied.

5. FIRE FIGHTING MEASURES

Personal Protective Equipment for Fire-fighting: Do not inhale the fumes occurred during the explosion and fire. If available, use self-contained respiratory device during the fire. Isolation device should be used in closed areas.

Dangers: Formation of hazardous gases as hydrogen chloride, hydrogen cyanide, carbon monoxide during the fire must be considered.

Extinguishers: Water jet, foam, carbon dioxide, fire extinguishing powder, foam, dust. Protective mask should be used.

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. While handling with spilled product, do not eat, drink and smoke.

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Clean-up Methods: Spilled material is collected with dust holder materials or suitable vacuum cleaner. Collect the material in tight plastic containers and keep safely until it is disposed.

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: Use the personal protective equipment stated in 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 locally aspirated device.

Storage: Store in the original container in dry, cool and well-ventilated places. Keep away from food, drink and animal feeds. Protect against direct sun light. Keep in the places where 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

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

Respiratory : Use respiratory apparatus 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	: Liquid, viscous
Color	: white-beige
Odour	: Slightly characteristic
pH	: 5-9 10% (20 ⁰ C)
Density	: 1,25 ± 0,05 g/cm ³ (20 ⁰ C)

10. STABILITY AND REACTIVITY

Conditions to be avoided: Extreme temperatures and direct sun light

Materials to be avoided: -

Hazardous reactions : When stored and handled appropriately no hazardous reactions are observed.

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11. TOXICOLOGICAL INFORMATION

Chlorothalonil Technical Material:

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

Skin and eye Acute percutaneous LD₅₀ for albino rabbits and rats >5000 mg/kg. Severe eye irritant; mild skin irritant (rabbits). Evidence in humans of contact dermatitis with repeated exposure.

Inhalation LC₅₀ (1 h) for rats 0.52 mg/l air; (4 h) for rats 0.10 mg/l air.

Toxicity Class WHO (a.i.) U; EPA (formulation) II ('Bravo' SC; chlorothalonil tech.)

12. ECOLOGICAL INFORMATION

Chlorothalonil Technical Material:

Birds Acute oral LD₅₀ for bobwhite quail >2000 mg/kg b.w. Dietary LC₅₀ (5 d) for mallard ducks and bobwhite quail >10 000 mg/kg diet.

Fish Acute LC₅₀ (96 h, static) for rainbow trout 39, fathead minnow 23, bluegill sunfish 59 µg/l.

Daphnia EC₅₀ (48 h, static) 70 µg/l.

Algae EC₅₀ (120 h) for *Selenastrum capricornutum* 210 µg/l; EC₅₀ (72 h) for *Navicula pelliculosa* 5.1 µg/l.

Other aquatic spp. EC₅₀ (14 d) for *Lemna gibba* 510 µg/l. EC₅₀ (48 h) for *Crangonyx pseudogracilis* 64, *Chironomus riparius* 110, *Cloeon dipterum* 600 µg/l; EC₅₀ (24 h) for *Brachionus calyciflorus* 24 µg/l.

Bees LD₅₀ for honeybees (oral) >63 µg/bee; (contact) >101 µg/bee.

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Worms LC₅₀ (14 d) for earthworms >404 mg/kg dry soil.

Other beneficial spp. LR₅₀ (7 d) for *Typhlodromus pyri* >18.75 kg/ha; LR₅₀ (48 h) for *Aphidius rhopalosiphi* >18.75 kg/ha.

13. DISPOSAL INFORMATION

Product : Do not dispose of the wastes with household wastes. Do not pour the remaining wastes to the sewage system. Dispose of them according to the Directive of Hazardous Waste Control.

Contaminated Materials: Do not use the empty packages for other products. Dispose the fully-discharged and shook packages in due form. Dispose of the non-cleaned packages as hazardous waste.

14. TRANSPORTATION INFORMATION

ADR/RID/ADNR

UN-No. : 3082

Hazard Mark : 9

Packing Group : III

Product type : UN 3082 Environmental hazardous substance, liquid, N.O.S.
(CONTAINS CHLOROTHALONIL)



IMDG

UN-No. : 3082

Class : 9

Packing Group : III

Marine Pollutant : Yes

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Product type : UN 3082 Environmental hazardous substance, liquid, N.O.S.
(CONTAINS CHLOROTHALONIL)

IATA

UN-No. : 3082

Class : 9

Packing Group : III

Product type : UN 3082 Environmental hazardous substance, liquid, N.O.S.
(CONTAINS CHLOROTHALONIL)

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+:Very Toxic



N: Dangerous For The Environment

Hazardous Materials Listed on the Label:

Includes Chlorothalonil.

Risk Phrases:

Physicochemical:

Health:

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

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R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

Environment:

R 50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

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

S 4 - Keep away from living quarters

S 13 - Keep away from food, drink and animal feedingstuffs

S 20 - When using do not eat or drink

S 24 - Avoid contact with skin

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 - After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S 29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S 35 - This material and its container must be disposed of in a safe way

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

S45 - In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S 46 - If swallowed, seek medical advice immediately and show this container or label

S 51 - Use only in well-ventilated areas

S 61 - Avoid release to the environment. Refer to special instructions/safety data sheet

S 63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest

S 64 - If swallowed, rinse mouth with water (only if the person is conscious)

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Important Labeling :

To avoid from risks to man and environment, comply with the instruction of use.

16. OTHER INFORMATION

N: Dangerous For The Environment

T+: Very Toxic

Xn: Harmful

All Risk Phrases under Section 2:

R22 - Harmful if swallowed.

R26 - Very toxic by inhalation.

R37 - Irritating to respiratory system.

R40 - Limited evidence of a carcinogenic effect.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

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Prepared By : Remzican KARAN

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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.