

MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

CAMIGRO

Date of Preparation	15/07/2015
Date of Issue	15/07/2015
MSDS No	FORM_MSDS_R&D_196_00
RenewalDate/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 : CAMIGRO
Product Content : %25 TRITOSULFURON + %50 DICAMBA
Formulation Form : Water Dispersible Granule (WG)

Tritosulfuron

Cas No : 142469-14-5
EC No :-
HRAC : B WSSA 2 sulfonylurea

Dicamba

Cas No : 1918-00-9
EC No : 217-635-6
HRAC : O WSSA 4 benzoic acid (auxin)

1.2 Madde / Müstahzarın Kullanımı:

Herbicide

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: 45Torbalı / İZMİR

Telephone : +90 232 864 13 33

Fax : +90 232 864 16 79

1.4 Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33 or 114 (UZEM).

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2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Madde	%	CAS No	EINECS /ELINCS	Hazard	R ¹	Classification
Tritosulfuron	25	142469-14-5	-	Xi, N	R43, R51/53	Xi;R43 N;R51/53
Dicamba	50	1918-00-9	217-635-6	Xn	R22,R41,R52/53	Xn; R22-41 R52/53
Others ²	-	-	-	-	-	-

¹ R explanations are under section 16

3. HAZARD IDENTIFICATION:



Xn: Harmful



N: Dangerous for the environment

R22 : Harmful if swallowed

R41 : Risk of serious damage to eyes

R43 : May cause sensitisation by skin contact

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

4. FIRST AID MEASURES:

SYMPTOMS OF POISONING: Headache, nausea, fatigue,

FIRST AID MEASURES: In case contact the skin, take off dirty clothes and wash exposed skin with plenty of soapy water. In case of swallowed, do not regurgitate, Rinse him mouth with clean water, call a doctor. Shouldn't be given increase the absorption of substances such as oil, milk or alcohol. If the patient is blackout, have gone him out for fresh air, call a doctor. In case contact of eye, wash with plenty of water for 10-15 minutes, see a doctor.

ANTIDOTE AND REQUIRED INFORMATION: No specific antidote is known.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing matters: Water spray, foam, dry extinguishing media, carbon dioxide

Hazards: Formation of dangerous gases is taken into account in case of fire such as Carbon monoxide, hydrogen chloride, nitrogen oxides, organochlorine compounds.

Required Personal Protective Equipment in Aid: Do not breathe fumes of explosion and fire. If possible, use self contained breathing apparatus during fire.

Additional information: Do not breathe fumes of explosion and fire. In case of exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately from the product, do not allow to reach sewage or wastewater systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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 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.

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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.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Granule
Colour : Grey - Brown
Odour : Characteristic
pH : 7 ± 1 (%1 solution)
Solubility in water : It dispersed

10. STABILITY AND REACTIVITY

Conditions to avoid: Extreme temperatures and exposure to direct sunlight

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 occurred.

11. TOXICOLOGICAL INFORMATION

Tritosulfuron Technical Material

Oral: Akut Oral LD₅₀ rat > 4700 mg/kg.

Skin and Eye: Akut perkutian LD₅₀ Rat > 2000 mg/kg.

Inhalation: LC₅₀ Rat > 75.4 mg/l.

ADI/RfD: (EC) 0.06 mg/kg b.w. [2008].

Dicamba Technical Material

Oral Acute oral LD₅₀ for rats 1707 mg/kg.

Skin and eye Acute percutaneous LD₅₀ for rats > 2000 mg/kg. Extremely irritating and corrosive to eyes; non-irritating to skin (rabbits). Not a skin sensitiser (guinea pigs).

Inhalation LC₅₀ (4 h) for male rats 4.44, female rats 5.19 mg/l.

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NOEL (2 y) for rats 110 mg/kg b.w. daily; (1 y) for dogs 52 mg/kg b.w. daily.
Developmental NOEL for rabbits 30 mg/kg b.w. daily; for rats 160 mg/kg b.w. daily.
Reproduction NOEL for rats 50 mg/kg b.w. daily.
ADI/RfD (EC) 0.3 mg/kg b.w. [2008]; (EPA) aRfD 1.0, cRfD 0.45 mg/kg b.w. [2006].
Other Not mutagenic.
Toxicity Class WHO (a.i.) III; EPA (formulation) III

12. ECOLOGICAL INFORMATION

Tritosulfuron Technical Material

Birds: Akut Oral LD₅₀ bobwhite quail and mallard ducks > 2000 mg/kg. Diyet
LC₅₀ mallard ducks > 5000 mg/kg, bobwhite quail > 5000 mg/kg.
Fish: LC₅₀ O.mykiss > 100 mg/l, B.rerio 170 mg/l.
Alg: EC₅₀ A.flos-aquae 0.58 mg/l, P.subcapitata > 100 mg/l.
Bees: LD₅₀ (oral) 200 µg/Bee, LD₅₀ (contact) 200 µg/bee.
Worms: LC₅₀ > 1000 mg/kg.

Dicamba Technical Material

Oral Acute oral LD₅₀ for rats 1707 mg/kg.
Skin and eye Acute percutaneous LD₅₀ for rats > 2000 mg/kg. Extremely irritating and corrosive to eyes; non-irritating to skin (rabbits). Not a skin sensitiser (guinea pigs).
Inhalation LC₅₀ (4 h) for male rats 4.44, female rats 5.19 mg/l.
NOEL (2 y) for rats 110 mg/kg b.w. daily; (1 y) for dogs 52 mg/kg b.w. daily.
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ADI/RfD (EC) 0.3 mg/kg b.w. [2008]; (EPA) aRfD 1.0, cRfD 0.45 mg/kg b.w. [2006].

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13. DISPOSAL CONSIDERATIONS

Product : 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. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-No. : 3077

Hazard Mark : 9

Packing Group : III

Product feature : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DOESN'T CONTAIN WASTE) (CONTAINS TRITOSULFURON, DICAMBA)

IMDG

UN-No. : 3077

Class : 9

Packing Group : III

Marine Pollutant : -

Product feature : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DOESN'T CONTAIN WASTE) (CONTAINS TRITOSULFURON, DICAMBA)

IATA

UN-No. : 3077

Class : 9

Packing Group : III

Product feature : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (DOESN'T CONTAIN WASTE) (CONTAINS TRITOSULFURON, DICAMBA)

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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:



Xn: Harmful



N: Dangerous for the environment

Hazardous Materials Listed on the Label

Contains Tritosulfuron and Dicamba

Risk Phrases:

Physicochemical : -

Health :

R22 : Harmful if swallowed

R41 : Risk of serious damage to eyes

R43 : May cause sensitisation by skin contact

Environment :

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

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Safety Phrases:

- S1/2 : Keep out of reach of children
- S9 : Keep container in a well-ventilated place
- S13 : Keep away from foods, drinks and animal feedstuffs
- S24 : Avoid contact with skin.
- S25 : Avoid contact with eyes
- S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36 : Wear suitable protective clothing
- S37 : Wear suitable gloves
- S46 : If swallowed, seek medical advice immediately and show the label.
- S56 : Dispose of the material at hazardous or special waste collection point.

Important Labelling:

Follow instructions to avoid personal and environmental risks.

16. OTHER INFORMATION

- Xn : Harmful**
- Xi : Irritant**
- N : Dangerous for environment**

All Risk Phrases under Section 2:

- R22 : Harmful if swallowed
- R41 : Risk of serious damage to eyes
- R43 : May cause sensitisation by skin contact
- 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 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.