

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

### Product information

Trade name Trifloxysulfuron sodium 1.85%+Ametryn 73.15%WG

Usage herbicide

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Water dispersible granule(WG)

Contains trifloxysulfuron sodium 1.85%+ametryn 73.15%

Chemical name	CAS No.	Concentration(%)
Ametryn	834-12-8	73.15
Trifloxysulfuron sodium	199119-58-9	1.85
Kaolin	1332-58-7	<15
Naphthalenesulfonic acid, dibutyl-,sodium salt	25417-20-3	<8
Other inert ingredients		To 100

## 3. HAZARDOUS IDENTIFICATION

Hazard classification: hazardous according to the criteria of NOHSC

Risk Phrases: R11 harmful if swallowed

R43 May cause sensitization by skin contact.

Safety Phrases: -

## 4. FIRST AID MEASURE

Swallowed: seek medical advice immediately. Do not induce vomiting.

Eye:rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses. Immediate medical attention is required.

Skin: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physican. Wash contaminated clothing before re-use

Inhaled: If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Contact a doctor or poisons information center immediately.

Antidote: there is no specific antidote. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazards from combustion products: as the product contains combustible organic components, fire will produce dense black smole containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health.

Special protective precautions and equipemnt for fire fighters: in the event of fire, wear self-contained breathing apparatus.

Hazchem code: 2X

## **6.ACCIDENTIAL RELEASE MEASURES**

EMERGENCY PROCEDURES:in case of spillage it is important to take all steps necessary to avoid eye and skin contact and inhalation of dust. Avoid contamination of waters.

Methods for cleaning up : sweep granule concentrate into a pile/ dam and absorb spill with an absorbent material.

## **7.HANDLING AND STORAGE**

### **HANDLING**

Advice on safe handling : No special protective measures against fire required. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. For personal protection see section 8.

### **STORAGE**

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering controls: in the workplace ensure ventilation is adequate. Keep containers closed when not in use. In enclosed area, if airborne dust is generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice. Product is used outdoors.

Personal protective equipment: harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When opening the container, preparing spray and using the prepared spray, wear: cotton overalls buttoned to the neck and wrist(or equivalent clothing)

Washable hat and elbow-length PVC gloves.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: white-grey granules with weak phenolic odour

pH:6-9 at 1% w/v

solubility: not miscible in mineral oil, methanol, toluene or deionised water

flash point: does not flash

explosive properties: not explosive

oxidising properties: not oxidizing

## **10. STABILITY AND REACTIVITY**

Chemical stability: Stable under normal conditions.

Conditions to avoid: none known

Incompatible material: no known incompatibilities

Hazardous decomposition product: combustion or thermal decomposition will evolve toxic and

irritant vapors

Hazardous reactions : None known.Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : tests on rats indicate low toxicity following a single oral dose of the product.>2000mg/kg males, 1500-1800mg/kg females

Acute dermal toxicity : tests on rats indicate low toxicity following dermal application of the product.>2000mg/kg

Inhaled: tests on rats indicate low toxicity following inhalation of the product.>2.59mg/l 4hrs

Skin irritation : non-irritating.

Eye irritation :Non Irritating

Sensitization : guinea pig: sensitising

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: dangerous to fish. Do not contaminate streames, reivers or waterways with the chemical or used containers. Do not apply this product within 20m of any waterway, waterbody or other aquatic area. do not use in channels and drains. Do not apply under meteorological conditions of from spraying equipment which could be expected to cause drift of this product or spray mix into adjacent areas, particularly wetlands,waterbodies or watercourses.

Toxicity to fish: rainbow trout: 8.09mg/l 96h

Toxicity to aquatic invertebrates: Daphnia magna: 11.9mg/l, 48h

Toxicity to algae:0.0027mg/l 72h

Trifloxysulfuron sodium is not persistent in water or soil/ ametryn has low to medium mobility in soil ,trifloxysulfuron-sodium has high mobility in soil

Ametryn dose not bioaccumulate. Trifloxysulfuron-sodium has low potential for bioaccumulation

## 13. DISPOSAL CONSIDERATIONS

Single rinse before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## 14. TRANSPORT INFORMATION

Land transport

ADR

UN-No.: 3077

Class: 9

Packaging group III

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(TRIFLOXYSULFURON,AMETRYN )

Sea transport

IMDG:

UN-No.: 3077

Class: 9

Packaging group: III

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(TRIFLOXYSULFURON,AMETRYN )

Marine pollutant : Marine pollutant

Air transport

IATA-DGR

UN-No.: 3077

Class: 9

Packaging group: III

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(TRIFLOXYSULFURON,AMETRYN )

## **15. REGULATORY INFORMATION**

Special labelling of certain preparations: Contains s-metolachlor. May produce an allergic reaction.To avoid risks to man and the environment, comply with the instructions for use.

## **16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.