



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

UPL South Africa (Pty) Ltd  
 Co. Reg. No.: 2009/019713/07  
 7 Sunbury Office Park,  
 Off Douglas Saunders Drive,  
 La Lucia Ridge, South Africa, 4019

Tel: 031 514 5600  
 Fax: 031 514 5611

e-mail: [msds@upl-ltd.com](mailto:msds@upl-ltd.com)  
 Web address: [www.upl-ltd.com/za](http://www.upl-ltd.com/za)

**Substance:** Triasulfuron  
**Product Name:** HP-Tria 75  
**Product Use:** Herbicide  
**Creation Date:** July 2020  
**Revision Date:** July 2023

**24 Hr Emergency Number:**

**In case of Poisoning:**

Griffon Poison Information Centre: 082 4468946  
 Poisons Information Helpline: 0861 555 777

**In case of Spillage:**

Spill Tech: 086 100 0366 / 083 253 6618

### SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

**Common Name:** Triasulfuron  
**Chemical Name:** 1-[2-(2-chloroethoxy)phenylsulfonyl]-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea (IUPAC)  
**CAS No.:** 82097-50-5  
**Chemical Family:** Sulfonylurea  
**Chemical Formula:** C<sub>14</sub>H<sub>16</sub>ClN<sub>5</sub>O<sub>5</sub>S (Mol. wt. 410.4)  
**Formulation:** Triasulfuron 750 g/kg  
 Water dispersible granules

**Use:** For the control of weeds as listed in label in wheat, oats and barley

**Hazardous ingredients of toxicological concern:**

<u>Inert:</u>	<u>concern:</u>	<u>% present:</u>
Triasulfuron	Irritant	± 75%
Inerts	Irritant	± 25%

**Symbol:** Xn  
**Indication of Danger:** Harmful, irritant  
**RISK-PHRASE(S)** R22, R36, R51

### SECTION 3 - HAZARD IDENTIFICATION

Environmentally hazardous material to aquatic organisms.  
 Harmful if swallowed, irritant to eyes and mucous membranes.

### SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

**Swallowed:** If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do not induce vomiting. Give a glass of water. If any discomfort persists seek medical advice.

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**Eye:** If in eyes, gently brush granules away and then hold eyes open and flush with water until chemical is removed. If irritation occurs and persists, obtain medical attention.

**Skin:** If granules on skin gently brush away. Irritation is unlikely, but if it does occur wash with soap and water. Remove contaminated clothing. If irritation occurs and persists see a doctor. Launder contaminated clothing before re-use.

**Inhaled:** Remove patient to fresh air. If breathing discomfort occurs, obtain medical attention.

**Advice to Doctors:** Treatment is symptomatic and supportive.

### SECTION 5 - FIRE-FIGHTING MEASURES

**Specific Hazard:** Product is a combustible solid. If scattered, may form flammable or explosive dust clouds in air.

**Extinguishing media:** Foam, CO<sub>2</sub> or dry chemical. Soft stream water fog if no alternatives. Contain all runoff. Do not use high pressure water jets. Contain all runoff.

**Hazards from combustion products:** On burning will emit toxic and noxious fumes.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

**Emergency procedures:** Isolate and post spill area. Keep out unprotected persons and animals. Wear cotton overalls buttoned at the neck and wrist and elbow-length chemical resistant gloves and goggles and face mask if dust is present. Large spills should be dyked or covered to prevent dispersal. Vacuum shovel or pump spilled material into an approved container and dispose of as listed in section 13.

**Material and methods for containment and cleanup procedures:** To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected.

Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

### SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

**Precautions for Safe Handling:** Ensure containers are kept closed until using product. Will irritate the eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

**Conditions for Safe Storage:** DO NOT store near (or allow to contact) fertilizers, fungicides or pesticides. Store in closed original containers, in a cool, well ventilated area away from children, animals, food and feedstuffs. Do not store for prolonged periods in direct sunlight.

### SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

**National Exposure Standards:**

No exposure standard for Triasulfuron has been established.

**Biological Limit Values:**

No biological limit allocated.

**Engineering controls:**

Use in well ventilated area only. Use local exhaust at all process locations where dust may be emitted. Ventilate all transport vehicles prior to unloading. Keep containers closed when not in use.

**Personal Protective equipment (PPE):**

General: Will irritate eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

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### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Grey to beige granules  
**Odour:** Non-specific  
**Boiling point:** No data available.  
**Freezing point:** No data available.  
**Specific Gravity:** Not applicable.  
**pH:** No data available.  
**Solubility in Water:** Product suspends (dispersed) in water.  
**Flammability:** Combustible solid.  
**Flashpoint (°C):** Not applicable.  
**Flammability Limits (%):** Not established.  
**Poisons Schedule:** Product is not a scheduled poison.  
**Formulation type:** Water Dispersible granule (WG).

### SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.  
**Conditions to avoid:** Do not store for prolonged periods in direct sunlight.  
**Incompatible materials:** Strong acids, strong bases and strong oxidising agents.  
**Hazardous decomposition products:** On burning will emit toxic and noxious fumes.  
**Hazardous reactions:** Will not polymerise.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Potential Health Effects:**

**ACUTE Toxicity** - This product is slightly hazardous (WHO Hazard Class III).

**Swallowed:** LOW TOXICITY Tests on rats indicate a low toxicity following single doses of the undiluted product. (LD50 >5000 mg/kg)

**Dermal absorption:** LOW TOXICITY. Tests on rats indicate a low toxicity due to skin contact with triasulfuron technical. (LD50 >2000 mg/kg)

**Inhalation:** LOW TOXICITY. Tests on rats indicate a low toxicity due to inhalation of triasulfuron technical. (LC50 (4 h) >5185 mg/m<sup>3</sup>)

**Irritation**

Eye: NON - IRRITANT (based on studies with rabbits) Skin: NON - IRRITANT (based on studies with rabbits)

**Sensitisation**

Skin: NOT A SENSITISER (based on studies with guinea pigs).

**Poisoning symptoms:**

No case of human poisoning due to this product is on record. The poisoning symptoms observed for laboratory mammals were non-specific.

**CHRONIC Toxicity** (Active Ingredient)

Triasulfuron technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained.

### SECTION 12 - ECOLOGICAL INFORMATION

This product is an extremely potent selective herbicide. Care should be taken to avoid all contact with non-target vegetation. Do not apply on or near shrubs, trees, lawns, or crops other than wheat. Do not drain or flush equipment near desirable trees or other plants, or in areas where soil seepage may occur. Do not allow spray to drift onto adjacent crops, fallow land or non-target desirable plants. All types of winter cereals (wheat, barley, oats, triticale and cereal rye) can be replanted the following season after use without restrictions. All other crops require a replanting interval. Refer to the product label booklet for full details of replanting intervals. Do not apply to irrigation drains or channels. Do not contaminate dams, streams, creeks, rivers or groundwater with the product, its diluted mixtures or application equipment.

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### SECTION 13 - DISPOSAL CONSIDERATION

#### Pesticide disposal:

Open dumping or burning of this pesticide is prohibited. Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal.

#### Container disposal:

Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed. TRIPLE RINSE empty containers in the following manner: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Do not re-use the empty container for any other purpose but destroy it by perforation and flattening. Prevent contamination of food, feedstuffs, drinking water and eating utensils. Comply with local legislation applying to waste disposal.

### SECTION 14 - TRANSPORT INFORMATION

**UN No.:** 3077  
**ADR/IRD:**  
 Proper shipping name: Environmentally hazardous substance, solid, N.O.S (triasulfuron 750 g/kg)  
 Packaging group: III  
 Class: 9  
**IMDG/IMO**  
 Packaging group: III  
 Class: 9  
 Proper Shipping name: Environmentally Hazardous Substance, solid, N.O.S. (contains Nicosulfuron 750 g/kg)  
**MARINE POLLUTANT**

### SECTION 15 - REGULATORY INFORMATION

**Symbol:** Xn  
**Indication of danger:** Environmentally hazardous substance  
**Risk phrases:**  
**R 22** Harmful if swallowed  
**R 36** Irritating to eyes  
**R 51** Toxic to aquatic organisms  
**Safety phrases:**  
**S 2** Keep out of reach of children  
**S 7** Keep container tightly closed  
**S 25** Avoid contact with eyes  
**S 29** Do not empty into drains  
**S 39** Wear eye/face protection

### SECTION 16 - OTHER INFORMATION

#### Packaging:

Packed in 60g water soluble sachets in foil bags and labelled according to South African regulations and guidelines.

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**Disclaimer:**

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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