

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

This SDS adheres to the standards and regulatory requirements of Argentina and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION

Product name : Finesse® WG
Other names : B12820468

Recommended use of the chemical and restriction on use

Recommended use : - Herbicide

Manufacturer or supplier's details

Company : FMC Quimica SA
Street address : FELIPE ALDECOA 1277
AVELLANEDA
1870-BUENOS AIRES
ARGENTINA
Address e-mail : SDS.Ronland@fmc.com

Número de teléfono en caso de emergencia:

Argentina: 54-1159839431 (CHEMTREC); All other countries: +1 651 / 632-6793 (Collect)

Número de Emergencia Médica:

FMC (General) - (011) 5984-3700; Hospital Nacional Prof. Alejandro Posadas, Centro Nacional de Intoxicaciones. (Toxicológica) - 0800- 333 -0160 / (011) 4658-7777 / (011) 4654-6648; Hospital de Niños Ricardo Gutierrez, Unidad de Toxicología. (Toxicológica) - 0800-444-8694 / (011) 4962-6666 / (011) 4962-2247; Hospital General de Agudos J. A. Fernández ,Unidad de Toxi-cología. (Toxicológica) - (011) 4808-2655 / (011) 4808-2606; TAS ,Toxicología , Asesoramiento y Servicios. (Toxicológica) - 0800-888-8694 / (0341) 4242727; Bomberos (General) – 100; Policía (General) – 101 – 911; Defensa Civil (General) – 103; Emergencias médicas (General) – 107

2. HAZARDS IDENTIFICATION**Product hazard category**

Acute toxicity (Oral)	Category 5
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Label content

Pictogram :



Signal word : Warning
Hazardous warnings : May be harmful if swallowed.
Very toxic to aquatic life with long lasting effects.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

Hazardous prevention measures : Call a POISON CENTER/doctor if you feel unwell.
Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

Chemical name	CAS-No.	Concentration
Chlorsulfuron	64902-72-3	62.5 %
Metsulfuron methyl	74223-64-6	12.5 %
Modified Lingin Sulfonate Salt		5 - 10 %
Other Ingredients		15 - 20 %

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

First aid measures for different exposure routes

Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Skin contact : The material is not likely to be hazardous by skin contact, but cleaning the skin after use is advisable.

Eye contact : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Ingestion : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

Main symptoms and hazards : No information available.

Protection of first-aiders : No information available.

Notes to physician : No information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

- Specific hazards : No information available.
- Specific firefighting procedures : Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray. Runoff from fire control may be a pollution hazard. Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Wear personal protective equipment.
Never return spills in original containers for re-use. Follow applicable Federal, State/Provincial and Local laws/regulations.
- Environmental precautions : Prevent material from entering sewers, waterways, or low areas.
- Methods for cleaning up : Shovel or sweep up. Dispose of in an approved container. Dike large spills using absorbent or impervious materials such as sand or clay. Ensure adequate decontamination of tools and equipment following cleanup.

7. HANDLING AND STORAGE**Handling**

- Technical measures/Precautions : No information available.
- Precautions for safe handling : No information available.

Storage

- Suitable storage conditions : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store in a cool, dry place. Keep out of the reach of children.

Hygiene measures

- : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Remove clothing/PPE immediately if material gets inside. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

8. EXPOSURE PREVENTION MEASURES

Engineering measures : IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

Control parameters

Chlorsulfuron					
AEL *	(FMC)	10 mg/m3	8 & 12 hr. TWA	Total dust.	
Chlorsulfuron					
AEL *	(FMC)	5 mg/m3	8 & 12 hr. TWA	Respirable dust.	
Metsulfuron methyl					
AEL *	(FMC)	10 mg/m3	8 & 12 hr. TWA	Total dust.	

* AEL is FMC's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Biological standards : No information available.

Personal protective equipment

Respiratory protection : See skin and body protection

Hand protection : See skin and body protection

Eye protection : See skin and body protection

Skin and body protection : Mixers, loaders, applicators and other handlers must wear: Long sleeved shirt and long pants, Chemical resistant gloves made of any waterproof material, Shoes plus socks
Personal protection equipment required for entry to treated area., Coveralls, Chemical resistant gloves made of any waterproof material, Shoes plus socks

General protective measures : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

Physical state : solid

Form : solid, granules

Colour : blend of white and brown

Odour : none

Odour Threshold : no data available

pH : 4.7 (25 °C)

Melting point/freezing point

no data available

Boiling point/boiling range

no data available

Flammability (solid, gas) : no data available

Flash point : no data available

Evaporation rate : no data available

Decomposition temperature : no data available

Auto-ignition temperature : no data available

Explosion limits

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Vapour density : no data available

Density

no data available

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

Solubility(ies)

Water solubility : no data available

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available**Volatility rate** : no data available**Viscosity, dynamic** : no data available**Viscosity, kinematic** : no data available**10. STABILITY AND REACTIVITY**

Reactivity : No information available.

Stability : Stable at normal temperatures and storage conditions.

Possible hazardous reactions under specific conditions : No information available.

Conditions to avoid : No information available.

Materials to avoid : None reasonably foreseeable.

Hazardous decomposition products : No information available.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Finesse® WG:

Oral: Acute toxicity estimate/Rat : 4,000 mg/kg

Method: Expert judgement

Inhalation: Acute toxicity estimate/4 h/Rat : > 5.3 mg/l

Method: Expert judgement

Active ingredient

Dermal: Acute toxicity estimate/Rabbit : > 5,000 mg/kg

Method: Expert judgement

Skin corrosion/irritation : Finesse® WG:

Species: Rabbit

Result: No skin irritation

Minimal effects that do not meet the threshold for classification.

Serious eye damage/eye irritation : Finesse® WG:

Species: Rabbit

Result: No eye irritation

Respiratory sensitisation / Skin sensitisation : Finesse® WG:

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Species: Mouse

Result: Did not cause sensitisation on laboratory animals.

Mutagenicity : Chlorsulfuron:

Did not cause genetic damage in cultured bacterial cells.

Did not cause genetic damage in animals.

Did not cause genetic damage in cultured mammalian cells.

Metsulfuron methyl:

Did not show mutagenic effects in animal experiments.

Did not cause genetic damage in cultured bacterial cells.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

Carcinogenicity : Chlorsulfuron:

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

A slight increased incidence in tumors was observed in one species, but not in other species.

Target(s): Leydig cells

A slight increased incidence in tumors was observed in one species, but not in other species.

Metsulfuron methyl:

Did not show carcinogenic effects in animal experiments.

Reproductive toxicity : Chlorsulfuron:

Animal testing showed no reproductive toxicity.

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Metsulfuron methyl:

Animal testing did not show any effects on fertility.

Animal testing showed no developmental toxicity.

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

Aspiration toxicity : no data available

Other : Finesse® WG:

Information given is based on data on the components and the toxicology of similar products.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

Chlorsulfuron:

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification. The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Repeated dose toxicity: Inhalation, Rat

Reduced body weight gain, Kidney effects, Spleen effects, Bloody urine, bone marrow changes

Repeated dose toxicity: Oral, Rat

Reduced body weight gain, altered blood chemistry

Repeated dose toxicity: Oral, Dog

Abnormal decrease in number of red blood cells

Metsulfuron methyl:

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Repeated dose toxicity: Oral, Rat

Reduced body weight gain, Organ weight changes, Liver

Repeated dose toxicity: Dermal, Rabbit

Skin irritation

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish

: Chlorsulfuron:

LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 122 mg/l

LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 128 mg/l

LC50/96 h/Cyprinodon variegatus (sheepshead minnow): > 980 mg/l

Metsulfuron methyl:

LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 150 mg/l

Other

: Chlorsulfuron:

EbC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.068 mg/l

EbC50/120 h/Pseudokirchneriella subcapitata (green algae): 0.05 mg/l

EC50/14 d/Lemna gibba (duckweed): 0.00035 mg/l

EC50/14 d/Lemna gibba (duckweed): 0.00042 mg/l

Method: US EPA Test Guideline OPPTS 850.4400

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

ErC50/14 d/Lemna gibba (duckweed): 0.00069 mg/l
EC50/4 h/Lemna gibba (duckweed): 0.119 mg/l
EC50/48 h/Daphnia magna (Water flea): > 112 mg/l
LC50/96 h/Americamysis bahia (mysid shrimp): 89 mg/l
LC50/14 d/Eisenia fetida (earthworms): > 1,000 mg/kg
Method: OECD Test Guideline 207

Metsulfuron methyl:

EC50/72 h/Anabaena flos-aquae (cyanobacteria): 0.066 mg/l
EC50/14 d/Lemna minor (common duckweed): 0.00036 mg/l
EC50/48 h/Daphnia magna (Water flea): > 120 mg/l

Persistence and degradability : no data available

Bioaccumulation : Modified Lingin Sulfonate Salt:

Bioaccumulation is unlikely.

Mobility in soil : no data available

Other adverse effects : Finesse® WG:

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

13. CONSIDERATIONS REGARDING FINAL DISPOSAL

Waste disposal methods : Do not contaminate water, food or feed by disposal. Container Refilling and Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Refer to the product label for instructions. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Do not transport if this container is damaged or leaking.

Finesse® WG

Version 1.0

Revision Date 01/08/2018

Ref. 130000052375

14. TRANSPORT INFORMATION**IMDG**

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Chlorsulfuron, Metsulfuron methyl)

Class : 9
Packing group : III
Marine pollutant : yes (Chlorsulfuron, Metsulfuron methyl)

IATA_C

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Chlorsulfuron, Metsulfuron methyl)

Class : 9MI
Packing group : III

Matters needing attention : No information available.
for transportation

15. INFORMATION ABOUT REGULATIONS

Refer to section 2 of this SDS for classification according to the GHS.

16. OTHER INFORMATION

Revision Date 01/08/2018

Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.