



# Material Safety Data Sheet

## SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT

**Product Name:** CRANE 750 WG HERBICIDE

**Product Type:** Group B Herbicide/ Sulfonylurea derivative.

**Product Use:** A selective herbicide for the control of Annual (Wimmera) Ryegrass and certain broadleaf weeds in Wheat, Barley, Oats, Cereal Rye and Triticale.

## SECTION 2: HAZARD IDENTIFICATION

### Statement of Hazardous Nature

This product is classified as: Hazardous according to the criteria of SWA.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**Risk Phrases:** R41. Risk of serious damage to eye.

**Safety Phrases:** S22, S24/25. Do not breathe dust. Avoid contact with skin and eyes.

**SUSDP Classification:** S5. **ADG Classification:** None allocated. Not a Dangerous Good.

**UN Number:** None allocated

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Chlorsulfuron	64902-72-3	750g/kg
Other non-hazardous ingredients	-	to 100%

## SECTION 4: FIRST AID MEASURES

**Inhalation:** No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

**Skin Contact:** Gently brush away excess solids. Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

**Eye Contact:** Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

**Product Name:** CRANE 750 WG HERBICIDE

**Issued:** October 2011; **Revision** October 2016

**Poisons Information Centre: 13 1126 from anywhere in Australia**

**Ingestion - swallowing:** If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

**Advice to Doctor:** Treatment is symptomatic.

## SECTION 5: FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. This product, if scattered, may form flammable or explosive dust clouds in air.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade. Do not scatter spilled material with high pressure water jets.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask. Use a P1 mask, designed for use against mechanically generated particles eg silica & asbestos. Otherwise, not normally necessary.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## SECTION 7: HANDLING AND STORAGE

Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. Avoid generating dusts while handling the product and mixing.

If dusts are generated, it is advisable to wear a dust mask, refer Section 8. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits have not been established by Safe Work Australia for these ingredients ie. No TWA or STEL limits set. No biological limits applicable.

Ensure adequate ventilation and reduced dust in a shaded dry storage.

The ADI for Chlorsulfuron is set at 0.05mg/kg/day. The corresponding NOEL is set at 5mg/kg/day. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Sept 2010.

Personal Protective Equipment:

Australian Standards regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask. Otherwise, not normally necessary.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical Description & colour:** solid, granule, white to tan coloured.

**Odour:** Odourless.

**Boiling Point:** No data.

**Freezing/Melting Point:** Chlorsulfuron technical melts at 174-178°C.

**Vapour Pressure:**  $4.6 \times 10^{-6}$  mm Hg.

**Vapour Density:** No data.

**Water Solubility:** Water dispersible granule.

**pH:** No data

**Volatility:** No data.

**Odour Threshold:** No data.

**Evaporation Rate:** No data.

**Coeff Oil/water distribution:** No data

**Autoignition temp:** Does not burn

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions.

**Incompatibilities:** Strong oxidizing agents.

**Product Name:** CRANE 750 WG HERBICIDE

**Issued:** October 2011; **Revision** October 2016

**Poisons Information Centre:** 13 1126 from anywhere in Australia

**Hazardous Polymerization:** Hazardous polymerisation is not possible.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicology Information:** No harmful effects are expected if the precautions on the label and this MSDS are followed.

**Inhalation:** May cause irritation to the respiratory tract.

**Ingestion:** Possible symptoms of exposure include: nausea, vomiting and headache.

**Skin:** May irritate the skin.

**Eye:** The concentrate may cause severe irritation of the eyes unless washed off immediately.

**Chronic Effects:** No information available, no chronic effects expected.

**Acute Toxicity – Oral:** LD50 (male rats) 5545 mg/kg for chlorsulfuron

**Acute Toxicity – Inhalation:** LC50 (rat) (4hr) >5.9 mg/l for chlorsulfuron

## SECTION 12: ECOLOGICAL INFORMATION

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

**Birds:** LD50 bobwhite quail: 5620mg/kg

LD50 mallard: 5000mg/kg

**Fish:** LC50 rainbow trout: >122mg/L

LC50 fathead minnow: >980mg/L

**Daphnia:** EC50 >370mg/L

## SECTION 13: DISPOSAL CONSIDERATIONS

Instructions for the disposal of this product and its containers are listed on the product label.

For collection of unwanted rural chemicals, contact ChemClear @1800 008 182 [www.chemclear.com.au](http://www.chemclear.com.au) and for help with the disposal of empty drums, contact DrumMuster® [www.drummuster.com.au](http://www.drummuster.com.au) for local and State contacts.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** None allocated

**Proper Shipping Name:** None allocated

**SUSDP Classification:** S5.

**ADG Class:** None allocated. Not a dangerous good.

**Hazchem Code:** None allocated

**Packaging Group:** None allocated

## SECTION 15: REGULATORY INFORMATION

**SUSDP:** S5 Caution. Keep out of reach of children. Read safety directions before opening or using.

**AICS (Australia):** All of the components in this product are listed on the Australian Inventory of Chemical Substances.

**APVMA Registration Number:** 66571

## SECTION 16: OTHER INFORMATION

**Product Name:** CRANE 750 WG HERBICIDE

**Issued:** October 2011; **Revision** October 2016

**Poisons Information Centre: 13 1126 from anywhere in Australia**

**This MSDS contains only safety-related information sourced from the public domain and analytical results on this product:**

**Acronyms:**

**ADG Code** Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

**AICS** Australian Inventory of Chemical Substances

**CAS number** Chemical Abstracts Service Registry Number

**Hazchem Number** Emergency action code of numbers and letters that provide information firefighters

**IARC** International Agency for Research on Cancer

**ASCC** Office of the Australian Safety and Compensation Council

**NTP** National Toxicology Program (USA)

**R-Phrase** Risk Phrase

**SUSDP** Standard for the Uniform Scheduling of Drugs & Poisons

**UN Number** United Nations Number

**Police and Fire Brigade: Dial 000 **Poisons Information Centre (13 1126)****

**Emergency contact: 04 0214 9346 (24 hours)**

Information contained in this Material Safety Data Sheet is provided in good faith and is believed to be correct at the date hereof. However, it is expected that individuals receiving the information will exercise independent judgement in determining its appropriateness for a particular purpose. Hextar Pty Ltd makes no representation whatsoever as to the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability whatsoever, whether with respect to negligence or otherwise, and no responsibility as permitted by law for any loss or damage arising from or connection with the supply or use of the information in this Material Safety Data Sheet.