

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product Name: Kenso Agcare Arcore 750 WG Herbicide
Product Type: Group B Herbicide
Company Name: Kenso Corporation (M) Sdn. Bhd.
Address: Level 1, 98 Commercial Road, Teneriffe, 4005 QLD.
Telephone Number: (07) 3216 1188
Emergency Telephone Number: 000 (Police or Fire Brigade)
13 11 26 (Poisons Information Centre)
Use: A selective herbicide for the control of certain weeds in wheat and triticale.

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Classified as hazardous according to criteria of Safe Work Australia. Not classified as a Dangerous Good according to the ADG Code.



Classification of the Hazardous Chemical: Hazardous to the aquatic environment, long term – Chronic 1
GHS Signal Word: **WARNING**
Hazard statements: H410: Very toxic to aquatic life with long lasting effects.
Prevention: P273: Avoid release to the environment.
Response: P391: Collect spillage.
Disposal: P501: Dispose of contents/container as specified on the registered label.
SUSMP Classification: None allocated.
ADG Classification: N/A
UN Number: N/A

Emergency Overview

Physical Description & colour: Off-white free flowing granules

Odour: Weak characteristic odour

Major Health Hazards: Product will irritate eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS number	Proportion
Sulfosulfuron	141776-32-1	75.0 %
Inert ingredients	secret	to 100 %

SECTION 4 – FIRST AID MEASURES

General Information:

If poisoning occurs, contact a doctor or Poisons Information Centre, Phone Australia 131 126.

Inhalation:	First aid is generally not required. If in doubt, contact a doctor or Poison Information Centre.
Skin contact:	Gently brush away excess particles. Irritation is unlikely. If irritation occurs, flush with flowing water for 5 minutes or until chemical is washed off.
Eye contact:	Brush off particles from eyes gently. No effect is expected but if irritation occurs, irrigate with copious quantity of water for at least 15 minutes or until products is removed. Obtain medical advice if irritation last more than a few minutes.
Ingestion:	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:

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Fire/Explosion Hazards

Dangerous Decomposition or Combustion Products

Thermal Decomposition

Combustion formed water and carbon dioxide and if incomplete, carbon monoxide and possibly smoke. May form nitrogen and its compounds, under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmosphere. Oxides of sulphur and other sulphur compounds may formed (sulfur dioxide is a respiratory hazard). Most will have foul odor. Carbon monoxide poisoning symptoms includes headaches, weakness, nausea, dizziness, confusion, dimness of vision, disturbance in judgement and unconsciousness follow by coma and death.

Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

Fire Fighting

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Fire-fighter should wear appropriate protective equipment with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Sweep up material or vacuuming the materials and contain in a refuse vessel for disposal in the same manner as for packaging. Dangerous to plants, including aquatic plants.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

SECTION 7 – HANDLING AND STORAGE

Handling

Avoid contact with eyes and skin. Avoid breathing in dust. Wash hands after use. Wash hand, arms and face thoroughly after handling. Do not eat, drink or smoke when using the product. General safety precautions and good health industrial hygiene should be practiced.

Storage

Store in closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards

No exposure standards have been set for this product.

Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate. If natural ventilation is inadequate, use of a fan is suggested.

Personal Protective Equipment

No special skin protection is necessary; however we suggest avoid skin contact with chemical products by wearing suitable gloves (elbow length) and wear cotton overalls buttoned to the neck and wrist (or equivalent clothing). If there is significant chance of dust are likely to build up, use of a dust mask is recommended.

Eye Protection

Eye protection is recommended. Wear a protective glasses or goggles.

Hygiene Measures

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Free flowing granules
Colour:	Off-white
Odour:	Weak characteristic odour
pH:	No data
Boiling Point (°C):	Not available
Flashpoint:	Non flammable
Vapour Pressure:	Not available
Specific gravity:	No data
Water Solubility:	Dispersible in water

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions. Unlikely to react or decompose under normal storage conditions.

Conditions to Avoid

Store in closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight.

Incompatibilities

Strong oxidizing agents.

Fire Decomposition

Hazardous products of combustion: See Section 5.

Polymerisation

This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity data

Acute Toxicity – Oral

LD₅₀ (rat): >5000 mg/kg

Acute Toxicity - Dermal

LD₅₀ (rat): >5000 mg/kg

Acute Toxicity – Inhalation:

Practically non-toxic.

Skin irritation: NON IRRITANT

Eye irritation: MODERATE IRRITANT

Sensitization: NON SENSITISER

Potential Health Effects

Health Effects

Product will irritate eyes. Avoid contact with eyes. DO NOT inhale dust. Wash hands after use.

Acute:

Inhalation:	Product is mildly irritating but unlikely to cause anything more than mild transient comfort.
Skin contact:	Product should present no hazards in normal use. However, it may mildly irritating yet unlikely to cause anything more than mild transient comfort.
Eye contact:	Product is mild eye irritant. May caused mild transient discomfort but it disappear when exposure stopped and first aid measure taken.
Ingestion:	Unlikely to have significant oral exposure. Product is mildly irritating to mucous membrane but unlikely to cause anything more than mild transient discomfort.

Reproductive Toxicity

Data indicates reproductive toxicity classifications are not met based on classification principal.

Mutagenicity

No mutagenic effects.

Carcinogenicity

Not classified as human carcinogen.

Other Information

The Australian ADI for Sulfosulfuron is set at 0.2 mg/kg/day with corresponding NOAEL is set at 24 mg/kg/day. *ADI= Acceptable Daily Intake; NOAEL: No Observable Adverse Effect Level. Data adopted from Australia ADI List, June 2023.

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Ecotoxicity data (of technical)

Acute Toxicity – Bird

LD₅₀ bobwhite quail: >2250 mg/kg

Acute Toxicity – Fish

LC₅₀ rainbow trout (96 hrs): >95 mg/L

Acute Toxicity – Crustaceans

Daphnia EC₅₀ (48 hrs): >95 mg/L

Acute Toxicity – Other organisms

Algae: E_bC₅₀ Green algae (72 hrs): 0.221 mg/L

Bees: LD₅₀ (oral): >30 µg/bee.

ENVIRONMENTAL FATE

Half- life in soils is typically 11-47 days. Primary degradation pathway is the hydrolytic cleavage of the sulfonylurea linkage to yield the corresponding sulphonamide and dimethoxypyrimidinamine. Mobility of sulfosulfuron was limited based on results of field dissipation studies.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: Instructions concerning the disposal of this product and its containers are given on the product label. These should be carefully followed.

SECTION 14 – TRANSPORT INFORMATION

ADG

UN Number:	3077
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains SULFOSULFURON)
Class:	Class 9
Packaging group:	III
Hazchem:	2Z
Storage and Transport:	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of

Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.

IMO-IMDG

UN Number: 3077
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains SULFOSULFURON)
Class: Class 9
Packaging group: III
Marine pollutant: Yes

SECTION 15 – REGULATORY INFORMATION

SUSMP Classification None allocated.
Packaging & Labelling KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS number Chemical Abstracts Service Registry Number
Hazchem Number Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOHSC National Occupational Health and Safety Commission
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number
GHS Globally Harmonised System

CONTACT POINT:

Police and Fire Brigade: Dial 000
National Poisons Information Centre: Dial **13 11 26 (from anywhere in Australia)**
For 24 hour emergency response: Dial 0428 776 327
Ask for Russell Clark