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
Facsimile Number:	(07) 3216 0388
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.

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 and containers 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. ADI for Sulfosulfuron is set at 0.2 mg/kg/day with corresponding NOEL is set at 24 mg/kg/day.
**ADI= Acceptable Daily Intake; NOEL: No Observable Effect Level. Data adopted from Australia ADI List, Mac 2016.*
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
LD_{50} (rat): >5000 mg/kg
Acute Toxicity - Dermal
LD_{50} (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 Acceptable Daily Intake (ADI) for Sulfosulfuron is set at 0.2 mg/kg/day with corresponding NOEL is set at 24 mg/kg/day.

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Ecotoxicity data (of technical)
Acute Toxicity – Bird
LD_{50} bobwhite quail: >2250 mg/kg
Acute Toxicity – Fish
LC_{50} rainbow trout (96 hrs): >95 mg/L
Acute Toxicity – Crustaceans
Daphnia EC_{50} (48 hrs): >95 mg/L
Acute Toxicity – Other organisms
Algae**:** E_bC_{50} Green algae (72 hrs): 0.221 mg/L
Bees: LD_{50} (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

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.

UN Number (Sea Transport):	3077
IMO Class/Packing Group:	Class 9; Packing Group III
IMO Marine Pollutant:	Marine Pollutant
IMO Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains sulfosulfuron)

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	0439 933 556 Ask for Murray Goodlich