

Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Details


Trade Name: KANNAR FIRE SAUCE
 Product No: 28 – KFS01
 Recommended Use: Kannar Fire Sauce is recommended for use as an animal repellent
 Use Restrictions: To use as recommended only.
 Supplier Details: Kannar Earth Science (Pty) Ltd, P.O. Box 2685, Edenvale 1610, South Africa
 T +27 11 372 4690, F +27 86 554 7636, E info@kannar.co.za, W www.kannar.co.za
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 Office +27 11 372 4690 (07h30 to 16h00)
 After Office Hours +27 83 412 2844 or +27 82 331 5356
 SDS date: 01 June 2017
 SDS version: v01.06.2017

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture according to SANS 10234:2008 Edition 1.1 and Regulation (EC) Number 1272/2008. (CLP) – NONE

- R 20 – Harmful if inhaled.
- R 22 – Harmful if swallowed.
- R 36 – Irritating to the eyes.
- R 38 – Irritating to the Skin. Harmful effects are unlikely. However, some short time itching and/or redness could occur.
- S 2 - Keep out of reach of children.
- Hazardous in case of digestion, can upset the gastrointestinal tract and / or diarrhoea

Precautionary Statement: If swallowed seek medical attention. Dispose contents/ containers in accordance National regulations.

Hazard Symbols: 

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	Cas Number	Weight (%)
Oleoresin Capsicum	8023-77-6	<3

Contains no reportable quantities of hazardous substances.

SECTION 4 – FIRST AID MEASURES

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.

Skin contact (slight): In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention.

Skin contact (prolonged): Wash thoroughly with disinfectant soap. Seek medical attention.

Inhalation (slight): If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention.

Inhalation (prolonged): Evacuate the victim to a safe area as soon as possible. Loosen tight clothing and resuscitate if required taking care not to inhale toxic fumes. Seek medical attention.

Ingestion (slight): Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention

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SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water Fog, Carbon Dioxide, Dry Powder Foam. **Do not use Water Jet for extinguishing fires but may be used to keep containers cool.**

Special Protective equipment: Fire Fighters need to use suitable protective clothing while firefighting including self-contained breathing apparatus.

Specific methods: No special procedures required.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should only be employed in processes in which this product is used under supervision.
Avoid contact with skin, eyes and clothing.
Do not inhale fumes/vapours.
Keep away from foodstuffs and beverages.
Wash hands after use.

Protective Equipment: Wear protective clothing, solvent resistant gloves, boots and eye goggles/face mask. Work in a well-ventilated area and wear respiratory protective equipment.

Environmental Precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Containment and Clean-Up: Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container for disposal in accordance with the waste regulations. Do not allow to enter drains or waterways.

SECTION 7 – HANDLING & STORAGE

Handling: Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use.
Avoid Freezing. If the Product freezes, thaw and mix before use.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Component	Cas Number	Source	TWA Value	STEL
Oleoresin Capsicum	8023-77-6	ACGIH TLV & OSHA PEL	Not Listed	Not Listed

Contains no reportable quantities of toxic chemical (s) subject to the reporting requirements of USA section 313 of SARA title III

LTEL: Long Term Exposure Limits - Time Weight Average (TWA) over 8 hours.
STEL: Short Term Exposure Limits - Time Weight Average (TWA) over 15 Minutes
Note: Limits Shown for guidance only. Follow applicable regulations

Personal Protective Equipment (PPE)

Engineering controls: Use in well -ventilated area. Explosive-proof ventilation equipment with local exhaust is desirable.

Respiratory protection: Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-Contained Breathing Apparatus may be required for use in confined or enclosed spaces. Respirator with a vapour filter (EN 141) is recommended.

Eye protection: Normal industrial eye protection practices should be employed.

Skin and body protection: If prolonged or repeated skin contact is likely wear gloves and protective clothing. Good personal hygiene practices should always be followed.

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SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Viscous Liquid
Colour:	Yellow - Brown
Odour:	Garlic and Capsicum
pH Value:	6 - 7
Initial Boiling Point:	50 - 150 °C
Flash Point:	>100 °C
Flammability:	Data Not Available
Upper Explosion Limit (UEL):	Not applicable
Lower Explosion Limit (LEL):	Not applicable
Vapour Pressure:	Not applicable
Density:	0.90 – 1.05
Solubility in Water:	Miscible in all proportions
Viscosity:	Data Not Available
Auto-ignition Temperature:	Data Not Available
Decomposition Temperature:	Data Not Available

SECTION 10 – STABILITY & REACTIVITY

Stability:	The product is chemically stable under normal storage and handling conditions.
Hazardous Decomposition	None under normal use. Thermal decomposition can lead to release of irritating gases and vapours. All of the water in this aqueous solution must be driven off for combustion to occur. In that dried state and depending on the chemical composition and combustion conditions, burning may produce noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides acetic acid and /or other toxic vapours
Hazardous Polymerisation	Not known to occur
Materials to avoid	Heat, flames and sources of ignition. Avoid direct contact with strong oxidising agents, highly corrosive acids and bases. Also avoid long term storage in direct contact with reactive metals such as aluminium, zinc copper nickel, magnesium etc.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute oral toxicity	
Mouse - LD50:	47.2 mg/kg
Acute inhalation toxicity	
Rats - LC50:	Greater than 10 mg/l (4h)
Acute dermal toxicity	
Mouse - LD50:	Greater than 512 mg/kg
Chronic Toxicity	None Known
Carcinogenic Effects	None Known
Mutagenic Effects	None Known
Teratogenic Effects	None Known
Developmental Toxicity	None Known
Acute Effects on Humans	Causes Severe eye, skin and / or respiratory irritation. Will cause burning if swallowed.
Sensitisation	Repeated or prolonged exposure could cause sensitivity in respiratory tract and lungs Note: Any OSHA and /or ACGIH exposure limits are listed in the table in section 3 of this SDS.
Existing medical conditions	
Aggravated by exposure	May provoke asthmatic response in persons with asthma or who are sensitive to airway irritants.

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SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity No data available. Material is not expected to have any deleterious toxic effect.

Elimination information (persistence and degradability):

Biodegradability: Not established.

Physicochemical removability: Not established.

Bioaccumulation: Not established.

Further info on ecology:

Remarks: **Do not discharge into lakes, streams, ponds and ground water supply.**

SECTION 13 – DISPOSAL CONSIDERATIONS.

Waste disposal: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and considerations of product characteristics at time of disposal.

Contaminated packaging: Empty containers retain residue (liquid and/or vapour) and can be Dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

Other regulations: Disposal of unused product may be subject to RCRA regulations (40 CFR261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

SECTION 14 – TRANSPORT INFORMATION

UN Number	Not Classified as dangerous goods in terms of transport regulations
UN Proper Shipping Name	Not Classified as dangerous goods in terms of transport regulations
Transport Hazard Class(es)	Not Classified as dangerous in the means of sea, railway, road air transport.
Packing Group	Not Classified as dangerous goods in terms of transport regulations
Environmental Hazards	Not Classified as dangerous goods in terms of transport regulations

D O T Classification Not regulated

IMO / IMDG Not regulated

IATA Classification Not regulated

UN / ICAO Not regulated

SECTION 15 – REGULATORY INFORMATION

Safety, Health and Environmental Regulations/legislations specific to substances or mixtures: None

Chemical Safety assessment: Chemical Safety assessment for substances in this preparation were not carried out.

Health Hazards: **Irritant**

- Inhalation Category 3
- Skin Irritation Category 3
- Eye Irritation Category 1

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Hazard Statements:

Health:

- H316 Causes mild skin irritation
- H318 Causes serious eye damage

Environment It is advisable not to discharge into lakes, streams, ponds and ground water supply.

US Federal Regulations

Product Information

SARA 311/312

- Acute No
- Chronic No
- Fire No
- Pressure No
- Reactive No

SARA 313 No reportable quantities of toxic chemical(s) subject to the reporting requirements of Section 313 of SARA Title III are present.

Regulatory Listings

Australia	AICS		Most of the components are listed or exempted
Canada	CEPA	DSL	Most of the components are listed or exempted
China	NEPA		Most of the components are listed or exempted
Europe	EINECS		Most of the components are listed or exempted
Japan	MITI		Most of the components are listed or exempted
Korea	ECL		Unknown
United States	FFRA	TSCA	Most of the components are listed or exempted

Hazardous Material Information: Refer Section 1

SECTION 16 – OTHER INFORMATION

Terms of use: This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Kannar Earth Science cannot anticipate or control the conditions in which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required, please contact Kannar Earth Science

Kannar Earth Science shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Kannar Earth science sole and exclusive warranty is that the products comply with Kannar Earth Science published chemical and physical specifications in effect at the time of sale. Kannar Earth Science liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Kannar Earth Science be liable for loss of profits or any other indirect and consequential loss or damage resulting from improper use of the product.

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