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Revision number 4
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Coopers Multicare

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: COOPERS MULTICARE

Use: Public health

Manufacturer:

Coopers Manufacturing
Reg. No. 2004/01564/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (+2711) 979-4246/7

Emergency Contact Numbers:
Griffon Poison Information Centre: (+27) 82 446 8946
Poison Information Centre: 0861 555 777

2. HAZARDS IDENTIFICATION

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]		
Hazard classes	**Hazard categories**	**Hazard codes**
Acute toxicity (oral)	Category 4	H302
Aspiration hazard	Category 1	H304
Skin sensitization	Category 1	H317
Aquatic Chronic	Category 1	H410

Hazard pictograms:



Signal word: Danger

Hazard statements:
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P261: Avoid breathing mist, vapours and spray.
P264: Wash hands and face thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves and boots, protective clothing and chemical safety goggles.
P301+P316: IF SWALLOWED: Get emergency medical help immediately.
P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.
P330: Rinse mouth.
P331: Do NOT induce vomiting.
P333+P317: If skin irritation or rash occurs: Get medical help.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P405: Store locked up.
P501: Dispose of content/container to suitable landfill in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance / Mixture: Mixture

Composition:

Chemical Name	CAS No.	Concentration	GHS classification
Permethrin	52645-53-1	10.0%	H302: Acute Toxicity 4 H317: Skin Sensitizer 1 H332: Acute Toxicity 4 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
Solvesso 150	64742-94-5	>60.0%	H304: Asp. Tox. 1

4. FIRST AID MEASURES:

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of non-abrasive soap and cold water or shower. Obtain medical attention if skin irritation or rash occurs.

Eye contact: Flush eyes with clean water for at least 15 - 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. If eye irritation persists, get medical advice.

Ingestion: Get medical help if swallowed. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water. Dot NOT induce vomiting.

Inhalation: Keep patient calm and remove to fresh air. Seek medical attention if necessary.

Symptoms of poisoning: Dermal exposure may cause an allergic skin reaction, causing redness and discomfort. Headache, dizziness and hypersalivation can be experienced after long term exposure.

Note to physician: There is no known specific antidote. Treat supportively according to symptoms. The product contains a pyrethroid.

5. FIRE FIGHTING MEASURES:

Suitable extinguishing media: Use carbon dioxide or dry chemical for small fires and water spray for large fires.

Unsuitable extinguishing media: High volume water jet due to contamination risk. Product is a marine pollutant.

Specific hazards: The decomposed material emits toxic and corrosive fumes.

Special fire-fighting procedures: Personnel involved in a fire situation with this material should wear self-contained breathing apparatus as toxic and corrosive fumes may be given off. No unprotected person should be allowed in the vicinity. Remove spectators from the surrounding area. Fight fire from maximum distance and remain upwind from fire. Avoid inhaling hazardous vapours and fumes from burning material. Do not scatter the burning material. Water must be contained for later disposal.

Personal protective equipment: Wear NIOSH / MSHA approved self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately after accidental contact. Ventilate area of spill or leak, especially in contained areas.

Protective equipment: Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.

Emergency procedures: Alert firefighting personnel, evacuate unprotected personnel and animals.

Environmental precautions: Do not discharge into the subsoil or soil. Prevent spilled product from entering drains, sewers, waterways or groundwater.

Methods and material for containment:

Cover contained spill with an inert absorbent material such as sand, vermiculite or soil. Vacuum, scoop or sweep up and place into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spilled material. Do not flush spilled material or wash water into drains or waterways. Clean contaminated floors and objects thoroughly with water and detergents, observing

environmental regulations. Cleaning operations should be carried out only while wearing prescribed personal protective equipment.

7. HANDLING AND STORAGE:

Handling:

Precautions for safe handling:

Prevent contact with the skin and eyes. Wear rubber gloves when handling the product. Wash thoroughly with non-abrasive soap and water after accidental contact. Ensure adequate ventilation when handling the product. Keep containers closed when not in use. Immediately clean up spills that occur during handling.

General occupational hygiene:

Practice good hygiene when using this material. Wash hands before eating, drinking, chewing gum, smoking, using the toilet or applying cosmetics. Workers should shower at the end of each workday. Launder all clothing before it is re-used.

Note: During application and when cleaning protective clothing, contamination of all sources of drinking water, rivers, dams, other crops or grazing shall be prevented. The material is toxic to aquatic life.

Storage:

Conditions for safe storage:

Keep under lock and key and out of reach of unauthorized people, children and animals. Store away from food and foodstuffs. Avoid cross contamination with other pesticides and fertilizers.

The product must be stored in its original, labelled container, tightly closed in an isolated, dry, cool and well-ventilated area.

Incompatible substances and mixtures:

None known.

Packaging material:

HDPE Plastic bottles.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Permissible concentration:

No occupational exposure limits have been determined for the significant ingredients in this product.

Engineering controls:

It is essential to provide adequate ventilation. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

Local exhaust: Provide general or local exhaust ventilation systems to maintain airborne concentrations below exposure limits. Local exhaust ventilation is preferred. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire and other applicable regulations.

Personal Protective Equipment:
Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed. If used in poorly ventilated area (airborne concentration exceeds exposure limits), use a dust mask.
Hand Protection: The use of nitrile rubber gloves is recommended to prevent against skin contact.
Skin and Body Protection: Employees must wear protective clothing and rubber boots to prevent repeated or prolonged skin contact with this product.
Eye Protection: The use of chemical safety goggles or a face shield is recommended to prevent eye contact. Contact lenses are not protective eye devices.
Emergency eyewash: Where there is a possibility that any employee's eyes may be exposed to this product, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Clear golden brown liquid.
Odour: Slight chemical odour.
Odour threshold: Not available.
pH (1% solution): Not available.
Melting point: Not available.
Freezing point: Not available.
Boiling point: Not available.
Flash point: 65 °C.
Flammability: Not flammable.
Upper / lower limits: Not available.
Vapour pressure (mm Hg): Not available.
Relative vapour density: Not available.
Density / Relative density: 1.29 g/mℓ.
Solubility: Miscible in water.
n-octanol / water partition coefficient: Not available.
Auto-ignition temperature: Not applicable.
Decomposition temperature: Not available.
Viscosity: Not available.

10. STABILITY AND REACTIVITY:

Chemical stability: The product is stable for two years at ambient temperature and pressure, under normal storage and handling conditions. Avoid storage under extreme temperatures and conditions. Store below 50 °C, preferably below 30 °C, and not for prolonged periods in direct sunlight.
Reactivity: None known.
Possibility of hazardous reactions: Unlikely to occur.
Conditions to avoid: Extremes of temperature and direct sunlight.
Incompatible materials: None known.
Hazardous decomposition products: Carbon monoxide, carbon dioxide or chlorine fumes may form under burning conditions.

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY: Based on GHS calculations

Acute oral LD_{50}: 2919 mg/kg
Acute dermal LD_{50}: 3846 mg/kg (not classified)
Acute inhalation LC_{50}: > 14 mg/ℓ/4 hr (not classified)

Skin irritation / corrosion: Not calculated.
Eye irritation / damage: Not calculated.
Skin sensitization: May cause an allergic skin reaction.
Respiratory sensitization: Not calculated.
Germ cell mutagenicity: Not calculated.
Carcinogenicity: Suspected of causing cancer.
Reproductive toxicity: Not calculated.
Specific target organ toxicity – single exposure: Not calculated.
Specific target organ toxicity – repeated exposure: Not calculated.
Aspiration hazard: May be fatal if swallowed and enters airways.

Chronic effects: Not expected.

12. ECOLOGOCAL INFORMATION:

ECOTOXICITY DATA: Based on Permethrin active ingredient

Fish:

LC_{50} (96 h)	Rainbow trout	2.5 µg/ℓ
LC_{50} (96 h)	Bluegill	1.8 µg/ℓ

Daphnia:

LC_{50} (48 h)	0.6 µg/ℓ

Birds:

LD_{50} (oral)	Mallard ducks	> 9800 mg/kg

Bees:

LD_{50} (24 h) (oral)	0.098 µg/bee

Toxic to bees.

ENVIRONMENTAL EFFECTS: Based on Permethrin active ingredient
Plants: No information.
Persistence and degradability: Permethrin is not likely to be a hazard to the environment when used as recommended.
Bio-accumulative potential: Does not bio-accumulate.
Mobility in soil: Not available.

Other adverse effects: Very toxic to aquatic life with long lasting effects. Do not discharge product into sewers, waterways or municipal water systems.

13. DISPOSAL CONSIDERATIONS:

Waste: Open dumping or burning of this product is prohibited. Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus product into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying waste disposal. The product may be taken to a registered waste disposal site or incineration plant.

Container: Rinse the empty containers three times in succession with a volume of water equal to a quarter of that of the container. Destroy empty containers by perforation and flattening and dispose of in accordance with local/national regulations. DO NOT bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

14. TRANSPORT INFORMATION:

UN Number: **3082**

Road Transport ADR / ORD:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Permethrin 10%**)

Maritime Transport IMDG / IMO:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Permethrin 10%**)
Marine pollutant: Yes

Air Transport IATA / ICAO:
Class: 9
Packing group: III
UN Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (**Permethrin 10%**)

Special/Environmental Precautions: Wedge drums tightly to avoid movement.
Transport in bulk: Refer to MARPOL 73/78, Annex II and the IBC code.

15. REGULATORY INFORMATION:

Safety, health and environmental regulations/legislation specific for the substance or mixture:
OHSA 2021 Regulations for Hazardous Chemical Substances.
Relevant information regarding restrictions: None.

EU regulation: Regulation EC1272/2008 (EU-GHS/CLP)
Chemical Safety Assessment carried out? No.

16. OTHER INFORMATION:

Packaging: Packed in 1 litre plastic containers and labelled according to South African regulations and guidelines.

Other hazard statements, abbreviations and explanations:
H300: Fatal if swallowed.
H317: May cause an allergic skin irritation.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H400: Very toxic to aquatic life.
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road.
IATA: International Air Transport Association.
IBC: International Bulk Chemical.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Dangerous Goods.
IMO: International Maritime Organization.
LD_{50} value: The median lethal dose or the amount of a toxic agent that is sufficient to kill 50 percent of a population within a certain period of time.
OEL/RL: Occupational exposure limit-recommended limit.
PEL: Permissible exposure limits.
TWA: Time-weighted average – the average exposure over a specified period, usually a nominal eight hours.
ST/STEL: Short-term exposure limits.
STOT: Single target organ toxicity.

Disclaimer:
The data contained in this safety data sheet is based on our current knowledge and experience and describe the product only with regard to safety requirements. The information on this sheet is not a specification; it does not guarantee specific properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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