

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

First print date: 28 March 2023

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/ UNDERTAKING

Product identifier

Identification as on the label/trade name

SUPERCOOL GEL

Additional information

None

Relevant identification uses of the substance and uses advised against

Identified uses

A scientifically formulated, water-soluble, nanotechnological blend of essential oils in a clear, blue gel form for optimal care of muscles, tendons and joints before and after workout or after strenuous exercise.

Uses advised against

Not for human use.

Details of the supplier of the safety data sheet

Ashkan Consulting (Pty) Ltd.

62 Kyalami Boulevard,

Kyalami Business Park,

Kyalami,

Midrand,

Johannesburg,

Gauteng,

1684

SOUTH AFRICA

e-mail: info@ashkan.co.za

www.ashkan.co.za

Emergency telephone numbers

IN AN EMERGENCY DIAL: 0027114668763/4 or 00274847774472 (after hours)

Tygerberg Poison Information Centre

24Hr help for professional: +27 (0) 861555777

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard class	Hazard statement
Skin irritation (Category 2)	H315
Skin sensitization (Category 1)	H317

For full text of H statements see section 2 and 16

The most important adverse physiochemical effects

None

The most important adverse human health effects

May cause skin irritation and may cause an allergic skin reaction.

Label elements

Hazard pictograms



Signal word

WARNING

Hazard statements

H315 – May cause skin irritation. H317 - may cause an allergic skin reaction.

Precautionary statements

P101 - if medical advice is needed, have product container or label at hand. P102 - keep out of reach of children.

P270 - do not eat, drink, or smoke when using this product. P302 + P352 + P312 IF ON SKIN: wash with plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell.

Special labelling of certain mixtures

None known

Other hazards

Contains copper and selenium as indicated on product label.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

There are no additional ingredients present which, within the current knowledge of the provider of this SDS, and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

SECTION 4. FIRST AID MEASURES

Description of first aid measures

In case of inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of discomfort seek medical attention.

In case of skin contact

Remove contaminated clothing; wash affected area with water for 15 minutes. In case of discomfort or irritation seek medical attention.

In case of eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek medical advice if irritation persists.

In case of ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Inhalation

May cause some respiratory irritation.

Ingestions

May be harmful if swallowed.

Skin contact

May cause skin irritation and/or an allergic skin reaction.

Eye contact

May cause eye irritation.

Indication of any immediate medical attention and special treatment needed

The severity of the symptoms described will vary on the concentration and the length of exposure.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguisher media

Suitable extinguisher media

Use an extinguishing agent suitable for the surrounding fire: use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing media

Water jets or high-pressure water jets

Special hazards arising from the mixture

Hazardous combustion products – thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel

Isolate area. Keep unnecessary and unprotected personnel from entering the area.

Avoid inhalation and contact with skin.

For emergency responders

Isolate area. Keep unnecessary and unprotected personnel from entering the area.

Avoid inhalation and contact with skin. Refer to Section 7, Handling, for additional precautionary measures.

Use appropriate safety equipment.

For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions

Prevent from entering soil, ditches, sewers, waterways and/or groundwater.

Methods for containment and cleaning up

For small spills

Collect in suitable and properly labelled containers using absorbent material such as, sand, diatomite, or universal binders. Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill. For large spills, dike area to contain spill. Pump into suitable and properly labelled containers. Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Additional information

None

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed.

Workers should wash hands and face before eating, drinking, and smoking.

Protective measures

Observe directions on label and instructions for use.

Advice on general occupational hygiene

Do not eat drink or smoke when handling this product.

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCool GEL

Conditions for safe storage, including incompatibilities

Store product in a cool, dry, well-ventilated area, removed from incompatible substances (if any) and ignition sources.

Specific end uses

Use as directed on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits (OEL)

None

Biological exposure indices (BEI)

There are no biological limit values allocated.

Additional exposure limits under the conditions of use

None

Exposure control

Exposure control is normally required during decanting and packaging

A Risk Assessment should be conducted before handling is to commence to determine specific exposure control. Ensure that eyewash stations and safety showers are close to the workstation location.

Appropriate engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures, such as Personal Protective Equipment

Eye/Face protection

Use safety glasses, if there is a potential for exposure to particles which could cause eye discomfort, wear chemical safety goggles.

Hand protection

Use chemical resistant gloves. Examples of preferred glove barrier materials include Butyl rubber, Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process, always use an approved air-purifying respirator.

Environmental exposure controls

During large spills prevent product from entry into sewers and water courses.

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form)

Gel

Colour

Clear blue gel

Odour

Characteristic menthol odour

Odour threshold

Characteristic menthol odour

pH (at Concentration)

6-7 (100%)

Melting point/range (°C)

Not known

Boiling point/range (°C)

Not known

Flash point (°C)

Not known

Evaporation rate

Not known

Flammability (Solid, Gas)

Not applicable

Ignition temperature (°C)

Not applicable

Upper/Lower flammability/explosive limits

Not flammable

Vapour pressure (20°C)

Not known

Vapour density

Not known

Specific gravity

1.000 – 2.000 g/L

Water solubility (g/l) at 20°C

5ml is completely soluble in 1L of water with no visible oil particles producing a clear liquid.

n-Octanol/Water partition coefficient

Not known

Auto-Ignition temperature

Not flammable

Decomposition temperature

Not known

Viscosity, dynamic (mPas)

10000-15000

Physical hazards

None

Other information

Fat solubility (solvent-oil to be specified)

Not known

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

Bulk density

Not known

Dissociation constant in water (pKa)

Not known

Oxidation-reduction potential

Not known

SECTION 10. STABILITY AND RELIABILITY

Reactivity

Stable under normal conditions no reaction with fire-fighting water.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization is not expected to occur.

Conditions to avoid

Strong oxidisers

Incompatible materials

Not known

Hazardous decomposition products

When heated emits fumes of carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution

Non-Human Toxicological Data

No data available

Method

No data available

Dosage

No data available

Routes of administration

No data available

Results

No data available

Absorption

No data available

Distribution

No data available

Metabolism

No data available

Excretion

No data available

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supercedes (Version No. and Effective Date)	None

SUPERCOOL GEL

Information on toxicological effects

Information is based on the individual ingredients of the product where possible.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitization

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

STOT-Single exposure

Based on available data the classification criteria are not met.

STOT-Repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicological data

Persistence and degradability

Product is biodegradable

Bio-accumulative potential

Product is not expected to bio accumulate.

Mobility in soil

No data available

Results of PBT& vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Product/ Packaging disposal

Recycle where possible.

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

SECTION 14. TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN-Number	None	None	None
UN Proper shipping name	None	None	None
Transport hazard class	None	None	None
Packaging group	None	None	None
Marine pollutant	None	None	None
Special precautions for user	Not applicable	Not applicable	Not applicable
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not applicable	Not applicable	Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation for the mixture

Relevant information regarding authorization

Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances. ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH). SANS 10234:2019 Globally Harmonised System of Classification and Labelling of Chemicals.

Relevant information regarding restrictions

None known

EU Regulations

Regulation EC 1272/2008 [EU-GHS/CLP]

Other National Regulations

National Road Traffic Act, 1996 (ACT NO. 93 of 1996). SANS 10228:2012 - The identification and classification of dangerous goods for transport by road and rail modes. National Environmental Management: Waste Act 59 of 2008.

Chemical safety assessment carried out?

No

SECTION 16. OTHER INFORMATION

Indication of Changes

Aligned with GHS - all sections

Relevant classification and H statements (number and full text)

H315 – May cause skin irritation

H317 - May cause an allergic skin reaction

Training instructions

Use as instructed

Further information

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.

SAFETY DATA SHEET (SDS)

According to SANS 10234:2019/UN GHS 7th Ed

Document No.-Version No.	SDS-50020075-v1
Effective Date	28-Mar-2023
Supersedes (Version No. and Effective Date)	None

SUPERCOOL GEL

Notice to readers

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.