

Section 1. Identification of the material and the supplier

Product: **Cool Gel**
 Product Code: 1711810, 1711811, 1711812
 Product Use: Heat-absorbing compound
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Bromic Group**
 Address: Malcolm Total Logistics Auckland
 39 Richard Pearse Drive
 Airport Oaks Mangere 2022

Telephone: 0508 276 642

Emergency Telephone: 0508 276 642
0800 764 766 (National Poison Centre)

Date of SDS Preparation: 10 August 2020

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non-hazardous ingredients	100%	Proprietary

Section 4. First Aid Measures

If in Eyes: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop seek medical attention.

If on Skin: Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention. Seek medical attention if symptoms persist.

If Swallowed: Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

If Inhaled: Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Advice to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Will not burn under typical fire conditions.
Hazards from combustion products	Under fire conditions this product may emit toxic and/or irritating fumes and gases.
Suitable Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Precautions for firefighters and special protective clothing	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation.

In the event of a major spill, prevent spillage from entering drains or water courses.

If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain.

Section 7. Handling and Storage**Precautions for Handling:**

- Avoid inhalation of vapours and mists, and skin or eye contact.
- Use only in a well ventilated area.
- Keep containers sealed when not in use.
- Prevent the build-up of mists or vapours in the work atmosphere.
- Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Precautions for Storage:

- Store in a cool, dry, well-ventilated area, out of direct sunlight.
- Store in suitable, labelled containers.
- Keep containers tightly closed.
- Store away from incompatible materials.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Personal Protection Equipment

Eyes	Safety glasses with side shields, chemical goggles or full face shield should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances.
Hands and Skin	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.
Respiratory	If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable mist/ vapour filter should be used.

Section 9 Physical and Chemical Properties

Appearance	Colourless Clear Gel Liquid
Odour	Odourless
Odour Threshold	Odour threshold is subjective and inadequate to warn for overexposure.
pH	7
Boiling Point	100°C
Melting Point	-0 °C
Freezing Point	Not available
Flash Point	Not available
Flammability	Non Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure @20°C	Not available
Vapour Density	Not available
Relative Density @20°C	Not available
Solubility in water	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity @ 100°C	Not available
Volatile Component	VOC content: 0 %

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of storage and handling.
Possibility of Hazardous Reactions:	Reacts with incompatible materials.
Conditions to Avoid	None known.
Incompatible Materials	Reacts with water.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Dermal	Not applicable.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	Ni information available
Bioaccumulation	No information available
Mobility in Soil	No information available
Other adverse effects	No information available

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to Local Regulations.

Precautions and methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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