



**Material Safety Data Sheet**  
**GIANT ANTIFREEZE**

**Rev: 00**  
**Date: 22/08/2016**

**Section 1: Chemical and Company Identification**

Product Name/Identifier           GIANT ANTIFREEZE  
Company Information               Central Auto Parts and Equipment Limited  
  84 Armstrong Street, Palmerston North  
  New Zealand  
Emergency Telephone           (64) 6-3535200  
Fax Number                         (64) 6-3535201

**Section 2: Hazards Identification**

**GHS CLASSIFICATION**

Health		Environmental	Physical
Skin irritation	Category 3	Not classified	Not classified
Eye irritation	Category 2		

**GHS LABEL:**



**Hazard Statements**

H316           Causes mild skin irritation  
H320           Causes eye irritation

**Prevention Precautionary Statements**

P264           Wash thoroughly after handling

**Response Precautionary Statements**

P305+P351+P338   If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337 + P313        If eye irritation persists, get medical advice/attention  
P332 + P313        If skin irritation occurs, get medical advice/attention

**Section 3: Compositions / Information on Ingredients**

Chemical Identity	CAS#	EINECS	R Phrase	S Phrase	Weight %
Propylene Glycol	57-55-6	200-338-0	-	-	60
Benzoate Acid Sodium Salt	532-32-1	208-534-8	-	-	<1
Sodium Tetraborate	1303-96-4	215-540-4	R36, R37, R38, R62, R63	S22, S26, S36, S37, S39, S45	<2
Sodium Nitrate	7632-00-00	231-555-9	R8, R25, R50	S1/2, S45, S61	<1

## Section 4: First Aid Measures

Eyes	Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. If redness, swelling, pain or blister occurs, transport to the nearest medical facility for additional treatment.
Skin	Remove contaminated clothing. Flush exposed area with large amount of water for at least 15 minutes followed by washing with soap. If redness, swelling, pain or blister occurs, transport to the nearest medical facility for additional treatment.
Ingestion	If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.
Inhalation	Remove to open area for fresh air. If rapid recovery does not occur, transport to the nearest medical facility for additional treatment.

## Section 5: Fire Fighting Measures

### Suitable Extinguishing Media

Non-flammable. Use water spray, fog or foam to cool fire exposed surfaces and to protect personnel.

### Unsuitable Extinguishing Media

No restriction

### Specific Hazards Arising from the Chemical

Decomposition under fire conditions will generate carbon monoxide and may generate other potentially toxic vapours.

### Protection for Fire-fighters

Evacuate personnel to safe areas. Intervention only by capable personnel who are trained and aware of the hazards of the product. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Clean contaminated surface thoroughly.

## Section 6: Accidental Release Measures

### Personal Precautions and Protective Equipment

Refer to protective measures listed in sections 7 and 8.

### Environmental Precautions

Prevent discharges into the environment (sewers, rivers, soils). Immediately notify the appropriate authorities in case of discharge.

### Method for Cleaning Up & Containment

Wash away with water.

### Emergency Procedures

Shut off leaks

## Section 7: Handling and Storage

**Precautions for Safe Handling:** None

**Conditions for Safe Storage:** Hygroscopic. Keep container dry. Keep container tightly closed. Keep container in a cool, well-ventilated area.

Storage Temperature : Ambient  
Storage/Transport Pressure : Atmospheric

## Section 8: Exposure Controls / Personal Protection

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Benzoate Acid Sodium Salt	Not Established	Not Established	Not Established	Not Established
Sodium Tetraborate Decahydrate	5 mg/m <sup>3</sup>	Not Established	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Sodium Nitrite	Not Established	Not Established	Not Established	Not Established

### Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. Refer to protective measures listed in sections 7 and 8. Apply technical measures to comply with the occupational exposure limits.

### Personal Protective Equipment (PPE):

#### Eye Protection

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

#### Skin Protection

Wear protective gloves and clean body-covering clothing.

#### Respiratory Protection

In the case of hazardous fumes, wear self-contained breathing apparatus. Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

#### Thermal Hazards

NA

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	: Florescent Green
<b>Odour</b>	: Odourless
<b>Odour Threshold</b>	: NA
<b>PH</b>	: 7 - 8
<b>Melting Point/ Freezing Point (°C)</b>	: -55
<b>Initial boiling point and range (°C)</b>	: 118.2
<b>Flash Point (°C) [ISO3679, Closed Cup Testing]</b>	: No Flash Point Detected
<b>Evaporation Rate</b>	: Not determined
<b>Flammability (solid, gas)</b>	: Not applicable
<b>Vapour Pressure</b>	: Not determined
<b>Upper/lower Flammability (Explosive) Limits</b>	: Not determined
<b>Vapour Density</b>	: Not determined
<b>Relative Density</b>	: 1.05 ± 0.03
<b>Solubility in Water</b>	: Soluble
<b>Partition coefficient (N-Octanol/Water)</b>	: Not determined
<b>Auto-ignition Temperature (°C)</b>	: Not determined
<b>Decomposition Temperature</b>	: Not determined
<b>Viscosity (mPa s)</b>	: Not determined

## Section 10: Stability and Reactivity

### Reactivity/Incompatible materials

Avoid contact with strong acids, strong alkali and strong oxidizing agents.

### Chemical Stability

Stable at normal conditions of use and storage.

### Possibility of hazardous reactions

Not determined

### Hazardous decomposition products

Carbon dioxide and carbon monoxide may form when heated to decomposition. When heated to decomposition, it might emit acrid smoke and other irritating fumes.

### Conditions to avoid

Incompatible materials, excess heat, exposure to moist air or water

## Section 11: Toxicological Information

### Acute Toxicity (ATE<sub>mix</sub>)

Acute oral toxicity (LD50): >5000 mg/kg [Rat].

Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit].

Inhalation toxicity (LC50): >100 mg/L

**Carcinogenicity:** None of the ingredients are listed under IARC

## Section 12: Ecological Information

### Toxicity

No data available

### Persistence/Degradability

Not expected to bio-accumulate significantly

### Bio accumulative Potential

Not expected to bio-accumulate significantly

## Section 13: Disposal Considerations

### Local legislation

Dispose in compliance with local/federal and national regulations. It is recommended to contact the producer for recycling/recovery. Or send the product to an authorized hazardous waste incinerator.

### Container Disposal

To avoid treatments, as far as possible, use dedicated containers. If not, rinse the empty containers with a low volatility hydrocarbon and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

## Section 14: Transport Information

14.1

UN Number	: Not applicable
Dangerous Good Class	: Not applicable
Proper Shipping Name	: Not applicable
Hazchem Code	: Not applicable
Additional Information	: None determined

14.2 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

#### 14.3 Transport IMDG

The product is not subject to IMDG regulations.

#### 14.4 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

#### Special precautions:

Before transportation, make sure the containers are tightly sealed and that there are no liquid or gas leaks.

When transporting containers, be sure that they are tightly fastened. An appropriate buffer material should be placed between them to prevent them from bumping each other and being damaged during transport

## Section 15: Regulatory Information

### USA Information

#### Comprehensive Environmental Response and Liability Act of 1980 (CERCLA)

Ingredient	CAS #	CERCLA RQ	RCRA Code
Benzoate Acid Sodium Salt	532-32-1	-	-
Sodium Tetraborate Decahydrate	1303-96-4	-	-
Sodium Nitrite	7632-00-00	100	-

#### Superfund Amendments and Reauthorization Act (SARA) Title III Information: SARA Section 311/312 (40 CFR 370) Hazard Categories:

Ingredient	Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
Benzoate Acid Sodium Salt	Yes	No	No	No	No
Sodium Tetraborate Decahydrate	Yes	Yes	No	No	No
Sodium Nitrite	Yes	No	Yes	No	Yes

This product does not contain any toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): Sodium Nitrite

### Canada Information

#### WHMIS classification:

Sodium Tetraborate Decahydrate: D2A, D2B

## Section 16: Other Information

Department Issuing Data Sheet : Central Auto Parts & Equipment Limited  
Original Issue Date : 22 August 2016  
Revision No. : 00  
Revision Date : NA

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our products must take responsibility for observing existing laws and regulations.