Material Safety Data Sheet **Rev: 00**
GIANT RED PREMIX **Date: 22/08/2016**

1. Chemical and Company Identification

TRADE NAMES:	GIANT RED PREMIX
PRODUCT CODES:	Not applicable
DESCRIPTION:	Automotive Engine Coolant
SUPPLIER:	Central Auto Parts and Equipment Limited 84 Armstrong Street, Palmerston North New Zealand
EMERGENCY TEL:	(64) 6-3535200
FAX NUMBER:	(64) 6-3535201

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.

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 Nitrite	7632-00-00	231-555-9	R8, R25, R50	S1/2, S45, S61	< 1

4. First Aid Measures

Contact with 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 contact
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.

Inhalation
Remove to open area for fresh air. If rapid recovery does not occur, 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.

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 vapors.

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.

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.

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

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^3	Not Established	5 mg/m^3	10 mg/m^3
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 vapors 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Red
Odour	: Odourless
Odour Threshold	: NA
PH	: 8 - 10
Melting Point/ Freezing Point (°C)	: -34
Initial boiling point and range (°C)	: 106
Flash Point (°C) [ISO 3679, Closed Cup Testing]	: No Flash Point Detected
Evaporation Rate	: Not determined

Flammability (solid, gas)	: Not applicable
Vapor Pressure	: Not determined
Upper/lower Flammability (Explosive) Limits	: Not determined
Vapour Density	: Not determined
Relative Density	: 1.05 ± 0.03
Solubility in water	: Soluble
Partition coefficient (N-Octanol/water)	: Not determined
Auto-ignition Temperature (°C)	: Not determined
Decomposition Temperature	: Not determined
Viscosity (mPa s)	: Not determined

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

11. Toxicological Information

Acute toxicity (ATE_{mix})
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.

12. Ecological Information

Toxicity
No data available

Persistence/Degradability
Not expected to bio-accumulate significantly

Bio accumulative Potential
Not expected to bio-accumulate significantly

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.

14. Transport Information

Land (ADR)

UN number	Not regulated
UN Class	NA
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	NA
HIN	NA

Sea (IMDG)

UN number	Not regulated
UN Class	NA
Subsidiary risk	NA
Packing Group	NA

Proper shipping name	NA
Marine pollutant	NA

Sea (Annex II of MARPOL 73/78 and the IBC Code)

Pollution category	NA
Ship type	NA
Product name	NA

Air (IATA)

UN number	Not regulated
UN Class	NA
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	NA

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.

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

16.Other Information

This product is intended for use by skilled individuals at their own risk. The information, data and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. The company / manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The information is provided upon the condition that the persons receiving will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company / manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

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