



Material Safety Data Sheet
GIANT BRAKE CLEAN

Rev: 01
Date: 15/08/2017

1. Product and Company Identification

TRADE NAMES: GIANT BRAKE CLEAN
PRODUCT CODES: Not applicable
DESCRIPTION: BRAKE & PARTS CLEANER
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	
Eye Irritation	Category 2	Not Classified	Flammable Liquid	Category 2
Aspiration Toxicity	Category 1			
Skin Irritation	Category 2			

GHS LABEL:



SIGNAL WORD: Danger

Hazard Statements

H225 Highly flammable liquid and vapor
H315 Causes skin irritation

H319 Causes serious eye irritation
H305 May be harmful if swallowed and enters airways

Prevention Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P260 Do not breathe vapor.
P270 Do not eat, drink or smoke when using this product.

Response Precautionary Statements

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easily removable. Continue rinsing.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of content/containers according to the local/regional/national/international regulation.

3. Compositions / Information on Ingredients

Chemical Identity	CAS #	Weight %
Naphtha (Petroleum), Hydrotreated Light	64742-49-0	100

4. First Aid Measures

Eye contact

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, do not induce vomiting; transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspirations.

5. Fire Fighting Measures

Suitable Extinguishing Media

Use water spray, dry chemical, carbon dioxide or foam.

Unsuitable Extinguishing Media

No restriction

Specific Hazards Arising from the Chemical

Hazardous decomposition products. Gas/vapors combustion possible in presence of air in very particular conditions.

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 fire, wear self-contained breathing apparatus. When intervention in close proximity, wear acid-resistant over suit. Clean contaminated surface thoroughly.

6. Accidental Release Measures

Personal Precautions and Protective Equipment

Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible products. Isolate the area. Cover the spreading liquid with foam in order to slow down the evaporation. Ventilate the area.

Environmental Precautions

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

Method for Cleaning Up & Containment

If possible, dam large quantities of liquid with sand or earth. Collect the product with suitable means. Place everything into a closed, labeled container compatible with the product. Flush with plenty of water. Prevent product from entering drains. Treat recovered material as described in the section "Disposal Considerations".

Emergency Procedures

Shut off leaks, if possible without personal risks. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

7. Handling and Storage

Precautions for Safe Handling

Use only in well-ventilated areas. Avoid contact with skin and eyes. Prevent product vapors decomposition from contacting hot spots. Prevent product vapours decomposition from electric arc action (welding). Preferably transfer by pump or gravity. Use only equipment and materials which are compatible with the product. Keep away from heat and sources of ignition. Keep away from incompatible products.

Conditions for Safe Storage

Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Storage Temperature: Ambient

Storage/Transport Pressure: Atmospheric

8. Exposure Controls / Personal Protection

Engineering Controls

Ensure adequate ventilation. Provide appropriate exhaust ventilation at machinery. 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

Eye protection is not required under normal conditions of use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

Skin Protection

Apron/boots of neoprene if risk of splashing. For hand protection, use chemical resistant protective gloves such as Polyvinyl alcohol coated gloves.

Respiratory Protection

In the case of hazardous fumes, wear self-contained breathing apparatus. Use 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	: Clear Liquid
Odour	: Mild Petroleum
Odour Threshold	: NA
PH	: Not applicable
Melting Point/ Freezing Point (°C)	: Not determined
Initial boiling point and range (°C)	: 78°C - 110°C
Flash Point (°C)	: - 15°C
[ISO 3679, Closed Cup Testing]	
Evaporation Rate	: Not determined
Flammability (solid, gas)	: Flammable gas
Vapor Pressure	: Not determined
Upper/lower Flammability (Explosive) Limits	: Not determined
Vapour Density	: Not determined
Relative Density	: 0.72 ± 0.03
Solubility in water	: Not 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

Strong oxidizers, strong acids and bases.

Chemical Stability

Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions

Not determined

Hazardous decomposition products

Contact with strong bases or alkaline materials may provoke violent reactions or explosions. Vapors are heavier than air and may spread along floors.

Conditions to avoid

Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems. Avoid direct sunlight or ultraviolet sources.

Materials to avoid

Light and/or alkaline metals, strong bases, ferric chloride, alkaline earth metals, powdered metals.

11. Toxicological Information

Acute Toxicity (ATE):

Acute oral toxicity (LD50), > 15,000 mg/kg

Acute dermal toxicity (LD50), > 2,000 mg/kg

Acute inhalation toxicity (LC50), > 500 mg/l

Carcinogenicity: Not carcinogenic under IARC

12. Ecological Information

Basis for Assessment: Information given is based on data available for the material, its components and similar materials.

Acute Aquatic Toxicity

Cyclohexane: L(E)C50 > 0.1 - 1 mg/L

Octane: L(E)C50 > 0.1 - 1 mg/L

Heptane: L(E)C50 > 0.1 - 1 mg/L

Ecotoxicity

Material is expected to be toxic to aquatic organisms and may cause long term adverse effects to the aquatic environment.

Mobility

Highly volatile. Will partition rapidly to air. Not expected to partition to sediment and waste water solids.

Persistence/Degradability

Expected to be readily bio-degradable and also degrade rapidly in air.

Bio-accumulative Potential

No data available

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.

Empty Container Warning (where applicable):

Empty containers may retain residue and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

14. Transport Information



Land (ADR)

UN Number : 1993
UN Class : 3
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Flammable Liquid N.O.S.

Sea (IMDG)

UN Number : 1993
UN Class : 3
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Flammable Liquid N.O.S.
Marine Pollutant : No

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

Pollution Category : NA
Ship Type : NA
Product Name : NA

Air (IATA)

UN Number : 1993
UN Class : 3
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Flammable Liquid N.O.S.

Special Precautions

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

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

Applicable national regulations:**Standards on Hazard communication for hazardous chemicals and dangerous goods**

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008-Preparation of safety data sheet

MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions)**Regulations**

- This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations.

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

- This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

- This product is subject to the requirement of this Acts/Regulations.

SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

- This product is not subject to the requirement of this Acts/Regulations

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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