Brake Parts Cleaner (Non-Flammable)

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 6/1/2015 Revision date: 6/1/2015 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : Brake Parts Cleaner (Non-Flammable)

Product code : BPC-20

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Aerosol cleaner.

1.3. Details of the supplier of the safety data sheet

Justice Brothers, Inc.
2734 Huntington Drive
Duarte, CA - USA 91010
T (626) 359-9174 (M-F, 8am-5pm)

1.4. Emergency telephone number

Emergency number : CHEMTREC International +1 (703) 527-3887 24 hr

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Gases Under Pressure - Dissolved gas
Skin Corrosion/Irritation 2
Eye Damage/Irritation 2A
Carcinogenicity 1A

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :

GHS04 GHS07 GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : Contains gas under pressure; may explode if heated.
Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer.

Precautionary statements (GHS-US) : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Specific treatment (see...on this label). Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with soap and water. If skin irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Store locked up. Protect from sunlight. Store in a well-ventilated place. Dispose of contents and container in accordance with all local, regional, national and international regulations.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
1, 1, 1- Trichloroethane	(CAS No) 71-55-6	94-96	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3
Carbon Dioxide	(CAS No) 75-28-5	2-4	Flam. Liq. 3 Skin Irrit. 2 Asp. Tox. 1

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical advice/attention.

First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : Not a likely route of exposure.

Indication of immediate medical attention and special treatment needed : None known

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam, alcohol foam, CO2, Dry chemical water fog.

Unsuitable extinguishing media : water spray may be ineffective.

5.2. Specific hazards arising from the substance or mixture

Fire hazard : Overexposure to decomposition products may cause health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Explosion hazard : Closed contaners may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion.

5.3. Advice for firefighters

Firefighting instructions : Water spray may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat .

Protection during firefighting : Wear goggles and use self-contained breathing apparatus. If water is used fog nozzles are prefered.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal Precautions : Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

For emergency responders

No additional information available

6.2. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up with absorbent material and place in closed containers for disposal.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store and use in cool, dry, well-ventilated areas. Do not store above 120 F.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1, 1, 1-Trichloroethane (71-55-6)		
USA ACGIH	ACGIH TWA (ppm)	500 ppm
USA ACGIH	ACGIH STEL (ppm)	750 ppm
USA OSHA	OSHA STEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Carbon dioxide (75-28-5)		
USA ACGIH/NIOSH	ACGIH/NIOSH TWA (ppm)	5000 ppm
USA OSHA	OSHA PEL (TWA)(ppm)	5000 ppm

8.2. Exposure controls

Appropriate engineering controls : Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and lel below stated limit.

Hand protection : None under normal use. Use solvent-resistant for prolonged or repeated contact.

Eye protection : None under normal use. However , use of safety glasses with splash guards or full face shield should be used if indicated.

Skin and body protection : None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washed and safety showers in the workplace are recommended.

Respiratory protection : None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/ mechanical filters designed to remove a combination of particles and vapor. In confined ares, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Aerosol product
Odor : Chlorinated
Odor threshold : Not determined
Solubility : Not determined
pH : Not applicable
Relative evaporation rate : Slower than ether
Melting point : Not determined
Freezing point : Not determined
Boiling point : 86°C
Flash point : Not determined
Self ignition temperature : Not determined
Decomposition temperature : Not determined

Vapour pressure	: Not determined.
Relative vapour density	: Heavier than air
Density	: 1.44699115
Viscosity	: Not determined
Explosive Limits	: Not applicable
Flammability	: Level 1 Aerosol
Partition coefficient (n-octanol/water)	: Not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal storage and handling conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Incompatible materials

Acids, bases, strong oxidizing agents, oxygen, peroxides, reactive metals, aluminum.

10.5. Hazardous decomposition products

Hydrogen chloride, chlorine, phosgene, oxides of carbon

SECTION 11: Toxicological Information

11.1. Toxicological Information

Long-term toxicological studies have not been conducted for this product.

SECTION 12: Ecological Information

12.1. Ecological Information

Long-term ecological studies have not been conducted for this product.

SECTION 13: Disposal Considerations

13.1. Disposal Considerations

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

UN-No.(DOT) : 1950

14.2. UN proper shipping name

DOT Proper Shipping Name	: Aerosols, flammable
Department of Transportation (DOT) Hazard Classes	: 2.2
Additional Information	: Limited Quantity

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

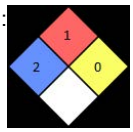
NFPA Guide

SECTION 16: Other information

Indication of changes : None.

Date of issue : 6/1/2015

Other information :



NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - requires considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.