



# BRAKE CLEANER

## SAFETY DATA SHEET

According to Canada's Hazardous Products Regulations (HPR) SOR/2015-17

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	BRAKE CLEANER
Product Code	20-BC, 20-BC-CND

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Brake cleaner
Uses Advised Against	None

Company Identification	The Blaster Corporation 8500 Sweet Valley Drive Valley View, Ohio 44125 USA www.blastercorp.com
Telephone	(800) 858-6605
Fax	(216) 901-5801

**Emergency telephone number**

Emergency Phone No.	<b>Transportation Emergency:</b> CHEMTEL 800-255-3924
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

HPR/WHIMIS 2015/GHS Classification	Flam. Aerosol 1; Compressed dissolved gas; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Asp. Tox. 1
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**Label elements**

Hazard Symbol



**DANGER**

Signal Word(s)

Hazard Statement(s)

Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Causes serious eye irritation.  
Repeated exposure may cause skin dryness or cracking.  
May cause drowsiness or dizziness.  
May cause damage to organs: (Optic nerve, Central nervous system)

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Do not spray on an open flame or other ignition source.  
Avoid breathing spray.  
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.  
Wash hands and exposed skin after use.  
Keep out of reach of children.

**Other hazards**

None



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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Acetone	70 - 90	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Heptane, branched, cyclic and linear	4 - 10	426260-76-6	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336
Carbon dioxide	4 - 10	124-38-9	Compressed dissolved gas

**Additional Information** - None

\* The exact percentage withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.
Ingestion	Do not give anything by mouth to an unconscious person. Seek medical treatment.

**Most important symptoms and effects, both acute and delayed** May cause damage to organs: (Optic nerve, Central nervous system)

**Indication of any immediate medical attention and special treatment needed** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or water spray.  
-Unsuitable Extinguishing Media Do not use water jet.

### Special hazards arising from the substance or mixture

Highly flammable vapour (flash point below 23°C).

### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapours.
<b>Environmental precautions</b>	Prevent liquid entering sewers, basements and workpits.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage temperature	Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidising chemicals.
<b>Specific end use(s)</b>	Brake cleaner

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		OEL (Canada)	TLV (ACGIH)	OEL (Canada)	TLV (ACGIH)	
Acetone	67-64-1	500 ppm	250 ppm	750 ppm	500 ppm	-----
Heptane, branched, cyclic and linear	426260-76-6	400 ppm*	1500 mg/m <sup>3</sup>	-----	-----	*n-heptane
Carbon dioxide	124-38-9	5000 ppm	5000 ppm	30,000 ppm	30,000 ppm	-----

<b>Recommended monitoring method</b>	NIOSH 1300 (Ketones I); NIOSH 2000 (Methanol); NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C)
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.
<b>Personal protection equipment</b>	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber)





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Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Color	Colorless
Odour	Acetone-like
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	2.5% - 12.8% v/v (Acetone)
Vapour pressure (Pascal)	$2.4 \times 10^4$ (Acetone)
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	465 (Acetone)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	<20
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidising agents
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

## SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

### Information on toxicological effects

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Acute toxicity	Oral: LD50 >5 g/kg-bw Dermal: LD50 >2 g/kg-bw Inhalation: LC50 = 65 - 103 mg/L (Vapour), 4-hr. rat May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
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<b>Irritation/Corrosivity</b>	Causes skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEC: 12350 mg/m <sup>3</sup> (2 yr, inhal., rat, Systemic effects) LOAEC: 1650 mg/m <sup>3</sup> (2 hr, inhal., rat, CNS effects) May cause drowsiness or dizziness.
<b>Carcinogenicity</b>	No data. It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	No information available

## Acetone (CAS No. 67-64-1)

<b>Acute toxicity</b>	Oral LD50 = 5800 mg/kg (rat) Dermal LD50 >15800 mg/kg (rabbit) Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.
<b>Irritation / Corrosivity</b>	Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	Oral NOAEL = 900 mg/kg/day (rat) (90-days) Inhalation NOAEL ≥ 19,000 ppm (rat)
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Negative
<b>Toxicity for reproduction</b>	Negative
<b>Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity - Substances in preparations / mixtures

### Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Short term	LL50 (96 hour): >13.4 mg/L ( <i>Oncorhynchus mykiss</i> ) EL50 (48 hour): 3 mg/l ( <i>Daphnia magna</i> , mobility) EC50 (96 hour): 13 mg/l ( <i>Pseudokirchnerella subcapitata</i> )
Long Term	NOELR (28 days) 1.5 mg/l ( <i>Fish</i> ) QSAR LOEC (21 days): 0.32 mg/l ( <i>Daphnia magna</i> ) NOEL (96 hour) 6.3 mg/l (Algae)
<b>Persistence and degradability</b>	Readily biodegradable.
<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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## SECTION 14: TRANSPORT INFORMATION

	<b>Land transport (TDG)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance to CPR Section 12 and the MSDS contains all the information required by the CPR.  
Canada (DSL/NDL) - All chemicals listed.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: November 10, 2016

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

### Hazard Statement(s)

- H225: Highly flammable liquid and vapour.
- H301: Toxic if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H311: Toxic in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H331: Toxic if inhaled.
- H336: May cause drowsiness or dizziness.
- H370: Causes damage to organs.

Training advice: None.

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