

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

Product Identifier: BRAKE CLEANER  
Recommended Use: AEROSOL BRAKE CLEANER  
Restrictions on Use: INDUSTRIAL USE ONLY  
Supplier: SHARE CANADA  
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7  
Telephone Number: (204) 633-8553 Fax: (204) 633-8453  
Emergency telephone number: CANUTEC: (613) 996-6666

## SECTION 2 - HAZARDS IDENTIFICATION

WHMIS 2015 hazard classification: EXTREMELY FLAMMABLE AEROSOL, EYE IRRITANT, ASPIRATION HAZARD, SHORT TERM EXPOSURE (SINGLE EXPOSURE) 3.



Signal word: DANGER  
Hazard statement(s): EXTREMELY FLAMMABLE AEROSOL. CAUSES SERIOUS EYE IRRITATION. CAUSE DROWSINESS OR DIZZINESS. SUSPECTED OF CAUSING GENETIC DEFECTS (INHALATION). MAY CAUSE CANCER (INHALATION). SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.  
Precautionary statements: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES. DO NOT SMOKE. DO NOT SPRAY ON AN OPEN FLAME OR OTHER IGNITION SOURCE. PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN, EVEN AFTER USE. AVOID BREATHING DUST, FUME, GAS, MIST, SPRAY, VAPOURS. WASH THOROUGHLY AFTER HANDLING. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. WEAR EYE PROTECTION, FACE PROTECTION, PROTECTIVE CLOTHING, PROTECTIVE GLOVES.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS REGISTRY NUMBER	CONCENTRATION %
Acetone, propan-2-one, propanone	67-64-1	80 – 90 %
Carbon dioxide	124-38-9	2.5 – 10 %
Heptane, n-heptane	142-82-5	2.5 – 10 %
Solvent naphtha (petroleum) light aliphatic	64742-89-8	2.5 – 10 %
Toluene	106-88-3	0.1 – 1 %
Hexane	110-54-3	0.1 – 1 %
Cyclohexane	110-82-7	0.1 – 1 %

## SECTION 4 – FIRST AID MEASURES

First-aid measures general: IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE. SHOW THE LABEL WHERE POSSIBLE. ENSURE MEDICAL PERSONNEL ARE AWARE OF THE MATERIAL(S) INVOLVED, AND TAKE PRECAUTIONS TO PROTECT THEM.

First-aid measures after inhalation: REMOVE PERSON TO FRESH AIR. ARTIFICIAL RESPIRATION AND/OR OXYGEN IF NECESSARY.

First-aid measures after skin contact: TAKE OFF ALL CONTAMINATED CLOTHING. WASH WITH PLENTY OF SOAP AND WATER. WASH WITH PLENTY OF SOAP AND WATER. IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE / ATTENTION

First-aid measures after eye contact: RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE / ATTENTION.

First-aid measures after ingestion: RINSE MOUTH. GET MEDICAL ADVICE / ATTENTION.

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Symptoms / injuries: CAUSES SERIOUS EYE IRRITATION. CAUSE DROWSINESS OR DIZZINESS. SUSPECTED OF CAUSING GENETIC DEFECTS (INHALATION).

Symptoms / injuries after inhalation: HARMFUL IF INHALED.

Symptoms / injuries after skin contact: CONTACT DURING A LONG PERIOD MAY CAUSE SLIGHT IRRITATION.

Symptoms / injuries after eye contact: CAUSES SERIOUS EYE IRRITATION.

Indication of any immediate medical attention and special treatment needed:

TREAT SYMPTOMATICALLY. KEEP WATCHING THE VICTIM. SYMPTOMS MAY BE DELAYED.

## SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media: ALCOHOL-RESISTANT FOAM, WATER FOG, DRY CHEMICAL POWDER, CARBON DIOXIDE. DO NOT USE WATER JET SINCE IT MAY CAUSE FIRE TO SPREAD.

Special hazards arising from the substance or mixture:

Reactivity: THIS PRODUCT IS NON-REACTIVE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT.

Fire hazard: EXTREMELY FLAMMABLE AEROSOL. CONTAINS GAS UNDER PRESSURE. MAY EXPLODE IF HEATED.

Protection during firefighting: DO NOT ATTEMPT TO TAKE ACTION WITHOUT SUITABLE PROTECTIVE EQUIPMENT.

Firefighting instructions: EXERCISE CAUTION WHEN FIGHTING ANY CHEMICAL FIRE. USE WATER SPRAY OR FOG FOR COOLING EXPOSED CONTAINERS.

Protection during firefighting: DO NOT ENTER AREA WITHOUT SUITABLE PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORY PROTECTION.

Specific measures: USE STANDARD FIREFIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS. MOVE CONTAINERS AWAY FROM THE FIRE AREA IF THIS CAN BE DONE WITHOUT RISK. IN CASE OF FIRE AND / OR EXPLOSION, DO NOT BREATHE FUMES.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

General measures: NO FLAMES. NO SPARKS. ELIMINATE ALL SOURCES OF IGNITION. EVACUATE UNNECESSARY PERSONNEL. STAY UPWIND / KEEP DISTANCE FROM SOURCE. GAS IS DENSER THAN AIR. MAY ACCUMULATE IN LOW AREAS E.G. CLOSE TO THE GROUND.

For non-emergency personnel:

Protective equipment: DO NOT ENTER WITHOUT APPROPRIATE PROTECTIVE EQUIPMENT.

Emergency procedures: AVOID CONTACT WITH SKIN, EYES AND CLOTHING. EVACUATE UNNECESSARY PERSONNEL. KEEP UPWIND. VENTILATE SPILLAGE AREA. DO NOT TOUCH SPILLED MATERIAL.

For emergency personnel:

Protective equipment: EQUIP CLEANUP CREW WITH PROPER PROTECTION.

Emergency procedures: STOP LEAK IF SAFE TO DO SO. STOP RELEASE. VENTILATE AREA

For containment: KEEP COMBUSTIBLES (WOOD, PAPER, OIL, ETC.) AWAY FROM SPILLED MATERIALS. ELIMINATE EVERY POSSIBLE SOURCE OF IGNITION. STOP LEAK IF SAFE TO DO SO. PREVENT PRODUCT FROM ENTERING DRAINS OR CONFINED AREAS.

Methods for cleaning up: TAKE UP LIQUID SPILL ONTO INERT ABSORBENT MATERIAL. FOLLOWING PRODUCT RECOVERY FLUSH AREA WITH WATER.

## SECTION 7 – HANDLING AND STORAGE

Additional hazards when processed: PRESSURIZED CONTAINER. DO NOT PIERCE OR BURN EVEN AFTER USE. KEEP AWAY FROM HEAT, SPARKS AND FLAME.

Precautions for safe handling: DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. DO NOT SPRAY ON A NAKED FLAME OR ANY INCANDESCENT MATERIAL. DO NOT SMOKE WHILE HANDLING PRODUCT. DO NOT CUT, WELDSOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION. AVOID CONTACT WITH EYES. WASH HANDS AND OTHER EXPOSED AREAS WITH MILD SOAP AND WATER BEFORE EATING, DRINKING, SMOKING AND LEAVING WORK. OBSERVE NORMAL HYGIENE STANDARDS.

Hygiene measures: WASH CONTAMINATED CLOTHING BEFORE RE-USE. USE GOOD PERSONAL HYGIENE PRACTICES.

Technical measures: DO NOT PUNCTURE, INCINERATE OR CRUSH. KEEP AWAY FROM HEAT, HOT

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**SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES.**

**Storage conditions: STORE LOCKED UP. PROTECT FROM SUNLIGHT. DO NOT EXPOSE TO TEMPERATURES EXCEEDING 50 ° C. STORE IN A WELL-VENTILATED PLACE.**

**Heat-ignition: KEEP SUBSTANCE AWAY FROM IGNITION SOURCES, HEAT SOURCES.**

**Storage area: STORE IN A COOL AREA AWAY FROM HEAT.**

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:

**CARBON DIOXIDE (124-38-9): ACGIH TWA (ppm) 5000 ppm, ACGIH STEL (ppm) 30000 ppm  
ACGIH Remark: Asphyxia OSHA PEL (TWA) 9000 mg/m<sup>3</sup> OSHA PEL (TWA) 5000 ppm**

**HEXANE (110-54-3) ACGIH TWA (ppm) 50 ppm, ACGIH Remark: CNS Impairment; peripheral neuropathy, eye irritation, skin BEI OSHA PEL (TWA) 1800 mg/m<sup>3</sup> OSHA PEL (TWA) 500 ppm**

**TOLUENE (108-88-3) ACGIH TWA (ppm) 20 ppm, ACGIH Remark: Visual impairment, female reproduction. OSHA Remark: See Table Z-2**

**CYCLOHEXANE (110-82-70): ACGIH TWA (ppm) 100 ppm,  
ACGIH Remark: CNS Impairment; OSHA PEL (TWA) 1050 mg/m<sup>3</sup> OSHA PEL (TWA) 300 ppm**

**HEPTANE, n-HEPTANE (142-82-5): ACGIH TWA (ppm) 400 ppm, OSHA PEL (TWA) 2000 mg/m<sup>3</sup>  
OSHA PEL (TWA) 500 ppm**

**ACETONE, PROPAN-2-ONE, PROPANONE (67-64-1) : ACGIH TWA (ppm) 250 ppm,  
ACGIH STEL (ppm) 500 ppm ACGIH Remark: EYE IRRITATION, CNS IMPAIRMENT, BEI  
OSHA PEL (TWA) 2400 mg/m<sup>3</sup> OSHA PEL (TWA) 1000 ppm**

**Appropriate engineering controls: ENSURE GOOD VENTILATION OF THE WORK STATION. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. IF APPLICABLE USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL. EMERGENCY EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.**

**Personal protective equipment: GLOVES, SAFETY GLASSES, PROTECTIVE CLOTHING. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN RISK ASSESSMENT INDICATES THIS IS NECESSARY.**



## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	AEROSOL LIQUID
Colour and appearance:	AEROSOL. CLEAR, COLOURLESS LIQUID
Odour:	SOLVENT – LIKE ODOUR .
Odour threshold:	NO DATA AVAILABLE
pH:	NO DATA AVAILABLE
Melting point:	NO DATA AVAILABLE
Freezing point:	NO DATA AVAILABLE
Boiling point:	NO DATA AVAILABLE
Flash point:	- 20 ° C. ESTIMATED
Relative evaporation rate (butyl acetate = 1	NO DATA AVAILABLE
Flammability (solid, gas):	NO DATA AVAILABLE
Explosive properties:	NO DATA AVAILABLE
Oxidizing properties:	NO DATA AVAILABLE
Vapour pressure:	NO DATA AVAILABLE
Relative density:	NO DATA AVAILABLE

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Relative vapour density at 20 °C:	NO DATA AVAILABLE
Specific gravity /density:	0.828 g / mL
Solubility:	NO DATA AVAILABLE
Log Pow:	NO DATA AVAILABLE
Log Kow:	NO DATA AVAILABLE
Auto-ignition temperature:	NO DATA AVAILABLE
Decomposition temperature:	NO DATA AVAILABLE
Viscosity:	NO DATA AVAILABLE
Viscosity, kinematic:	NO DATA AVAILABLE
Viscosity, dynamic:	NO DATA AVAILABLE
VOC content.	< 10 %

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity: THIS PRODUCT IS NON REACTIVE AT NORMAL CONDITIONS OF USE, STORAGE AND TRANSPORT.

Stability: STABLE UNDER NORMAL CONDITIONS.

Possibility of hazardous reactions: NO DANGEROUS REACTIONS KNOWN UNDER NORMAL CONDITIONS OF USE.

Conditions to avoid: NO FLAMES, NO SPARKS. ELIMINATE ALL SOURCES OF IGNITION. INCOMPATIBLE MATERIALS.

Incompatible materials: ACIDS, STRONG OXIDIZING AGENTS, ALUMINUM.

Hazardous decomposition products: UNDER NORMAL CONDITIONS OF STORAGE AND USE, HAZARDOUS DECOMPOSITION PRODUCTS SHOULD NOT BE PRODUCED.

## SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: NOT CLASSIFIED.

HEXANE (110-54-3):

LD50 oral (rat)	> 16000 mg/kg body weight (Rat: Equivalent or similar to OECD 401 Experimental value)
LD50 dermal (rabbit)	> 3350 mg/kg body weight (Rabbit: read across. Equivalent or similar to OECD 402)

CYCLOHEXANE (110-82-7):

LD50 oral (rat)	> 12705 mg/kg body weight (Rat: Equivalent or similar to OECD 401 Experimental value > 5000 mg/kg)
LD50 dermal (rabbit)	> 2000 mg/kg body weight (Rabbit: read across. Equivalent or similar to OECD 402)
LD50 inhalation (rat) mg/L	>19.07 mg/L / 4h (Rat: Experimental value)
LD50 inhalation (rat) ppm	>5540 ppm / 4h (Rat)

Skin Corrosion/Irritation	: NOT CLASSIFIED
Serious Eye Damage/Irritation	: CAUSES SERIOUS EYE IRRITATION.
Respiratory or Skin Sensitization	: NOT CLASSIFIED
Germ Cell Mutagenicity	: NOT CLASSIFIED
Carcinogenicity	: NOT CLASSIFIED

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Toluene (108-88-3)  
IARC Group 3 – Not classifiable

Reproductive Toxicity : NOT CLASSIFIED

Specific Target Organ Toxicity (Single Exposure) MAY CAUSE DROWSINESS OR DIZZINESS.

Specific Target Organ Toxicity (Repeated Exposure) : NOT CLASSIFIED

Aspiration Hazard : NOT CLASSIFIED.

Symptoms/Injuries After Inhalation : MAY CAUSE DROWSINESS OR DIZZINESS.  
Symptoms/Injuries After Skin Contact : CONTACT DURING A LONG PERIOD MAY CAUSE SLIGHT IRRITATION.  
Symptoms/Injuries After Eye Contact : CAUSES SERIOUS EYE IRRITATION  
Likely routes of exposure: : SKIN AND EYES CONTACT, INHALATION.

**SECTION 12 - ECOLOGICAL INFORMATION**

Ecology (General): NO ADDITIONAL INFORMATION AVAILABLE  
Persistence and degradability: NO ADDITIONAL INFORMATION AVAILABLE  
Bioaccumulation potential: NO ADDITIONAL INFORMATION AVAILABLE

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Waste treatment methods: DISPOSE OF CONTENTS/CONTAINER TO COMPLY WITH LOCAL / REGIONAL / NATIONAL / INTERNATIONAL REGULATIONS

**SECTION 14 – TRANSPORT INFORMATION**

T.D.G. Shipping Name: AEROSOLS, FLAMMABLE  
Class: 2.1  
UN Number: UN 1950  
Packing Group: Not applicable.  
Limited quantity exemption: CONTAINER UNDER 1 LITRE.

**SECTION 15 - REGULATORY INFORMATION**

THE CLASSIFICATION, LABEL AND SDS COMPLIES WITH THE REQUIREMENTS OF WHMIS 2015

**SECTION 16 - OTHER INFORMATION**

Information Sources: SUPPLIER'S SDS  
Prepared by: SHARE CANADA  
Telephone: 1-204-633-8553  
Latest revision date: AUGUST 1, 2018