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1. Identification

1.1. Product identifier

Product Identity SKILCRAFT Brake Parts Cleaner, Aerosol

Alternate Names LHB Part Number: 0384---000

CAGE Code: 1A864 NSN: 6850-01-167-0678

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

Intended useSee Product LabelApplication MethodSee Product Label

1.3. Details of the supplier of the safety data sheet

Company Name LHB Industries

8833 Fleischer Place Berkeley, MO 63134

Emergency

24 hour Emergency Telephone No. (800) 633-8253 (PERS)

Customer Service: LHB Industries (314) 423-4333

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222 Extremely flammable aerosol.

Press. Gas;H280 Contains gas under pressure; may explode if heated.

Acute Tox. 4;H302 Harmful if swallowed.

Acute Tox. 4;H312 Harmful in contact with skin.

Acute Tox. 4;H332 Harmful if inhaled.
Skin Irrit. 2;H315 Causes skin irritation.

Eye Irrit. 2;H319 Causes serious eye irritation.

Repr. 2;H361D Suspected of damaging the unborn child.

STOT SE 1;H370 Causes damage to organs. Specific Target Organs: (Not Available)

STOT RE 2;H373 May cause damage to organs through prolonged or repeated exposure. Specific Target

Organs: (Not Available)

Simple Asphyxiant May displace oxygen and cause rapid suffocation.

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2.2. Label elements



Danger

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H361d Suspected of damaging the unborn child.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- May displace oxygen and cause rapid suffocation.

Pressurized container: May burst if heated.

[Prevention]:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat / sparks / open flames / hot surfaces No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves / eye protection / face protection.

[Response]:

- P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing.
- P307+311 IF exposed: Call a POISON CENTER or doctor / physician.
- P308+313 IF exposed or concerned: Get medical advice / attention.

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P314 Get Medical advice / attention if you feel unwell.

P321 Specific treatment (see information on this label).

P330 IF SWALLOWED: Rinse mouth.

P332+313 If skin irritation occurs: Get medical advice / attention.

P337+313 If eye irritation persists: Get medical advice / attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes [1][2]	
Acetone CAS Number: 0000067-64-1	50 - 75	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336		
Toluene CAS Number: 0000108-88-3	25 - 50	Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336	[1][2]	
Methanol		Flam. Liq. 2;H225 Acute Tox. 3;H331 Acute Tox. 3;H311 Acute Tox. 3;H301 STOT SE 1;H370 (> 10%) STOT SE 2;H371 (3% ~ 10%)	[1][2][3]	
Carbon dioxide CAS Number: 0000124-38-9	5 - 10	Press. Gas;H280 Simple Asphyxiant	[1][2]	
Propane, 2,2-dimethoxy- CAS Number: 0000077-76-9	1 - 5	Flam. Liq. 2;H225 Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

^[1] Substance classified with a health or environmental hazard.

^[2] Substance with a workplace exposure limit.

^[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

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Section 4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give

artificial respiration. If unconscious, place in the recovery position and obtain immediate

medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and

seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a

recognized skin cleanser.

Ingestion DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview Treat symptomatically. Exposure to solvent vapor concentrations from the component

solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of

consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation

and soreness with possible reversible damage. See section 2 for further details.

Inhalation Harmful if inhaled. Causes damage to organs.

Eyes Causes serious eye irritation.

Skin Harmful in contact with skin. Causes skin irritation.

Ingestion Harmful if swallowed.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray. Do not use: water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon dioxide and carbon monoxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

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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 / vapors / spray.

5.3. Advice for fire-fighters

FIRE FIGHTING EQUIPMENT: Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available. **SPECIAL PROCEDURES:** Use water to cool containers exposed to a fire.

ERG Guide No. 126

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions. Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non-sparking tools. Use oil absorbent materials.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Keep away from heat sparks, and open flame. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing Agents

Category NFPA 30B Level 2 Aerosol

Do not store where temperatures may exceed 120F (48.9C)

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

See Product Label



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Section 8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value	
0000067-56-1	Methanol	OSHA	TWA 200 ppm (260 mg/m3)	
		ACGIH	TWA: 200 ppm STEL: 250 ppm Skin	
		NIOSH	TWA 200 ppm (260 mg/m3) ST 250 ppm (325 mg/m3) [skin]	
		Supplier	No Established Limit	
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3	
		ACGIH	TWA: 500 ppm STEL: 750 ppm	
		NIOSH	250 ppm (590 mg/m3) TWA	
		Supplier	No Established Limit	
0000077-76-9 Propane, 2,2-dimethoxy-	Propane, 2,2-dimethoxy-	OSHA	No Established Limit	
		ACGIH	No Established Limit	
		NIOSH	No Established Limit	
		Supplier	No Established Limit	
0000108-88-3 Toluene		OSHA	TWA (OSHA) 200 ppm C 300 ppm 500 ppm (10-minute maximum peak) STEL 150 ppm	
		ACGIH	TWA: 20 ppm R	
		NIOSH	TWA 100 ppm (375 mg/m3) ST 150 ppm (560 mg/m3)	
		Supplier	No Established Limit	
0000124-38-9 Carb	Carbon dioxide	OSHA	TWA 5000 ppm (9000 mg/m3)	
		ACGIH	TWA: 5000 ppm Ceiling: 15000 ppm	
		NIOSH	TWA 5000 ppm (9000 mg/m3) ST 30,000 ppm (54,000 mg/m3)	
		Supplier	No Established Limit	

8.2. Exposure controls

Respiratory If personal exposure cannot be controlled to below applicable limits by ventilation, wear a

properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product,

underlying paint, or the abrasive.

Eyes Use safety glasses with side shields or chemical goggles. If exposure causes eye

discomfort, use a full-face respirator.

Skin Wear overalls to keep skin contact to a minimum. Chemical resistant gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the

use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits

suitable respiratory protection must be worn.

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Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Colorless Gas
Odor Aromatic Solvent
Odor threshold Not determined
pH Not Measured
Melting point / freezing point Not Measured
Initial boiling point and boiling range Not Measured

Flash Point < 0F Evaporation rate (Ether = 1) ND

Flammability (solid, gas) Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: 1.0

Upper Explosive Limit: 13.0

Vapor pressure (Pa) Not Measured

Vapor DensityNDSpecific Gravity0.813Solubility in WaterPartial

Partition coefficient n-octanol/water (Log Kow)

Auto-ignition temperature

Decomposition temperature

Viscosity (cSt)

Not Measured

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

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10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Excessive heat and open flame.

10.5. Incompatible materials

Oxidizing Agents

10.6. Hazardous decomposition products

Carbon dioxide and carbon monoxide

Section 11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

2-butoxyethanol and its acetate are readily absorbed through the skin and will cause harmful effects on the blood.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available
Toluene - (108-88-3)	5,580.00, Rat - Category: NA	> 5,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Methanol - (67-56-1)	143.00, Human - Category: 3	No data available	No data available	No data available	64,000.00, Rat - Category: NA
Carbon dioxide - (124-38-9)	No data available	No data available	No data available	No data available	No data available
Propane, 2,2-dimethoxy (77-76-9)	No data available	No data available	No data available	No data available	No data available

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Carcinogen Data

CAS No.	Ingredient	Source	Value		
0000067-56-1	Methanol	OSHA	Regulated Carcinogen: No		
		NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Grou 4: No;		
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No		
		NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		
0000077-76-9 Propand	Propane, 2,2-dimethoxy-	OSHA	Regulated Carcinogen: No		
		NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		
0000108-88-3 Toluene		OSHA	Regulated Carcinogen: No		
		NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;		
0000124-38-9	Carbon dioxide	OSHA	Regulated Carcinogen: No		
		NTP	Known: No; Suspected: No		
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;		

Classification	Category	Hazard Description	
Acute toxicity (oral)	4	Harmful if swallowed.	
Acute toxicity (dermal)	4	Harmful in contact with skin.	
Acute toxicity (inhalation)	4	Harmful if inhaled.	
Skin corrosion/irritation	2	Causes skin irritation.	
Serious eye damage/irritation	2	Causes serious eye irritation.	
Respiratory sensitization		Not Applicable	
Skin sensitization		Not Applicable	
Germ cell mutagenicity		Not Applicable	
Carcinogenicity		Not Applicable	
Reproductive toxicity	2	Suspected of damaging the unborn child.	
STOT-single exposure	1	Causes damage to organs.	
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.	
Aspiration hazard		Not Applicable	



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Section 12. Ecological information

12.1. Toxicity

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l	
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa	
Toluene - (108-88-3)	5.50, Oncorhynchus kisutch	19.60, Daphnia magna	Not Available	
Methanol - (67-56-1)	100.00, Pimephales promelas	10,000.00, Daphnia magna	16.912 (96 hr), Ulva pertusa	
Carbon dioxide - (124-38-9)	Not Available	Not Available	Not Available	
Propane, 2,2-dimethoxy (77-76-9)	Not Available	Not Available	Not Available	

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.



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Section 14. Transport information

DOT (Domestic Surface

Transportation)

14.1. UN number UN1950

14.2. UN proper shipping UN1950, Aerosols, Limited

name Quantity, 2.1,

14.3. Transport hazard DOT Hazard Class: 2.1

class(es)

14.4. Packing group Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No further information

IMO / IMDG (Ocean ICAO/IATA Transportation)

UN1950 UN1950

Aerosols, Limited Quantity Aerosols, Limited

Quantity

IMDG: 2.1 Air Class: 2.1

Sub Class: Not Applicable

Not Applicable Not Applicable

Section 15. Regulatory information

All components of this material are either listed or exempt from listing on the TSCA

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected

regulations are represented.

Toxic Substance Control Act (TSCA)

Control Act (TSCA) Inventory.

WHMIS 1988 A B5 D2A

WHMIS 1988 Classification

US EPA Tier II Hazards

Sudden Release of Pressure: Yes

Reactive: No

Fire: No

Immediate (Acute): Yes Delayed (Chronic): Yes

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Methanol

Toluene

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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Proposition 65 - Developmental Toxins (>0.0%):

Methanol

Toluene

Proposition 65 - Female Repro Toxins (>0.0%):

Toluene

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

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 and dizziness.

H361d Suspected of damaging the unborn child.

H370 Causes damage to organs.

H371 May cause damage to organs.

H373 May cause damage to organs through prolonged or repeated exposure.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

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