

SAFETY DATA SHEET

This document is not intended for general distribution.
It can be used as the basis for a general distribution document if appropriate changes are made to the identification section.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: LOW VOC BRAKE PARTS CLEANER #87A

Product Code:2906112

Distributed by: 1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124
Phone: 847-622-0001
Emergency Response Number: 800-255-3924

Product Use: Brake & metal parts cleaner

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Flammable aerosol	1
Gas under pressure	Dissolved gas
Skin Corrosion/Irritation	3
Eye Damage/Irritation	2B
Sensitization - Respiratory	1A
Aspiration hazard	1



SIGNAL WORD: **Danger**

Hazard Statements

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
May be fatal if swallowed and enters airways
Causes mild skin irritation
Causes eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements

Keep away from heat/sparks/open flames/hot surfaces – No smoking
Do not spray on an open flame or other ignition source
Pressurized container – Do not pierce or burn, even after use
Wash hands thoroughly after handling
Do NOT induce vomiting
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
If skin irritation occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Store locked up

Protect from sunlight. Store in a well ventilated place

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

Dispose of contents/container to comply with all local, state, and federal regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percent
ACETONE	67-64-1	51.20
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	64742-49-0	21.20
TOLUENE	108-88-3	11.10
2-PROPANOL, ISOPROPYL ALCOHOL	67-63-0	7.80
CARBON DIOXIDE	124-38-9	7.00
D-LIMONENE	5989-27-5	1.80

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

EYE CONTACT: Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: Not a likely route of exposure.

Most important symptoms/effects, acute and delayed: Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

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

5. FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media: Foam, Alcohol foam, CO₂, Dry chemical, Water fog. Water spray may be ineffective.

Specific hazards arising from the chemical: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes

Special equipment and precautions for fire-fighters: Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

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

7. HANDLING AND STORAGE

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.

Conditions for safe storage, including any incompatibilities: Store and use in cool, dry, well-ventilated areas. Do not store above 120 F.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ACETONE 67-64-1	PEL-TWA: 750 ppm	TLV-TWA 500 ppm (NIC 200 ppm) TLV-STEL 750 ppm (NIC 500 ppm)	
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT 64742-49-0	TWA: 500 ppm; PEL-CEILING: not determined	TLV-TWA: 400 ppm TLV-STEL: 500 ppm	
TOLUENE 108-88-3	TWA: 200 ppm, 8 HOUR CEIL: 300 ppm PEAK: 500 ppm, 10 minute	TWA: 20 ppm 8 hour	
2-PROPANOL, ISOPROPYL ALCOHOL 67-63-0	PEL-TWA: 400 ppm PEL-Ceiling: Not determined	TLV-TWA: 200 ppm TLV-STEL: 400 ppm	
CARBON DIOXIDE 124-38-9	5000 ppm TWA, 8 hours	5000 ppm TWA; , 8 hours; 30000 ppm STEL, 15 minutes	5000 ppm NIOSH TWA, 10 hours; 30000 ppm NIOSH STEL, 15 minutes
D-LIMONENE 5989-27-5	No data available.	No data available.	

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 lcl below stated limit.

Individual protection measures:

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 areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Protective gloves: 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.

Other protective clothing or equipment: None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol product	Odor: Solvent
Vapor Pressure: Not determined	Odor threshold: Not determined

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<p>Vapor Density: Heavier than air Density: 0.785032073 Freezing point: Not determined Boiling point: 93°C Evaporation rate: Slower than ether Explosive Limits: Not applicable Autoignition temperature: Not determined Viscosity: Not determined</p>	<p>pH: Not applicable Melting point: Not determined Solubility: Not determined Flash point: Not determined Flammability: Level 3 Aerosol Partition coefficient (n-octanol/water): Not determined Decomposition temperature: Not determined</p>
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10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: None known.

Incompatible materials:

Acids, Bases, Strong oxidizing agents

Hazardous decomposition products:

Carbon dioxide, carbon monoxide, smoke, fumes, and other products of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13. 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.

14. TRANSPORT INFORMATION

By land: DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Cleaning Compound, NOI

By water: DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.1, LTD QTY

By air: DOT & IATA Proper Shipping Name: UN1950, Aerosols, flammable, 2.1, LTD QTY (packing instruction Y203 applies)

15. REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

Date revised: 2015-06-11

Revision 0

Date Printed: 2015-06-11

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SAFETY DATA SHEET

Revision Date 5/15/15

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Ready Mixed Concrete

Synonyms : Ready Mix Concrete, Concrete Ready Mix, Portland Cement Concrete, Ready Mix Stucco, Ready Mix Grout, Ready Mix, Concrete, Freshly Mixed Concrete, Colloidal Concrete, Permeable Concrete, Shotcrete, Gunite, Colored Concrete, Flowable Fill, Roller-Compacted Concrete, Fiber Reinforced Concrete

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

Identified uses : Concrete is widely used as a structural component in construction applications

1.3 Details of the supplier of the safety data sheet

Company : Central Concrete Supply Co., Inc.
 331 N Main St
 Euless, Texas 76039
 USA

Telephone : +1 817-835-4105

1.4 Emergency telephone number

Emergency Phone # : (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin corrosion/irritation (Category 1B), H314
 Serious eye damage/eye irritation (Category 1), H318
 Carcinogenicity (Category 1B), H350
 Specific target organ toxicity, single exposure (Category 2), H371
 Specific target organ toxicity, repeated exposure (Category 2) H373

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H314	Causes skin burns and eye damage
H318	Causes serious eye damage
H350	May cause cancer
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Avoid breathing dust
P270	Do not eat, drink or smoke when using this product.
P281	Use personal protective equipment as required.
P301 + P330 + P331	If Swallowed, Rinse mouth. Do not induce vomiting
P303 + P361 + P353	If on skin (or hair) remove/take off immediately all contaminated clothing. Rinse skin with water/shower

P305 + P351 + P338

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313

If exposed or concerned: Get medical advice/ attention.

P309 + P311

If exposed or you feel unwell: Call a poison center or doctor/physician

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Aggregate (crushed stone, sand, gravel, expanded shale) Quartz (crystalline silica)	Mixture 14808-60-7	60-95 >1
Hydraulic Cement(s) Portland and/or Slag Cement	Mixture 65997-15-1	3-20
Pozzolan Artificial Fly Ash Silica Fume	Mixture 38131-74-8 69012-64-2	0-11
Water	7732-18-5	6-13

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

Dusts from hardened product may irritate the mouth, nose, throat and lungs. Remove person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops.

In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing. Contact physician if irritation persists

In case of eye contact

Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eye(s). Contact a physician if irritation persists or later develops.

If swallowed

If person is conscious do not induce vomiting. Give large quantity of water and get medical attention. Never attempt to make an unconscious person drink.

4.2 Most important symptoms and effects, both acute and delayed

Contact with wet product may result in chemical (caustic) burns and eye injury which may be progressive and could cause blindness. Wet product may result in chemical burns to the skin. Dust may irritate the skin and respiratory tract. Breathing silica-containing dust for prolonged periods in the workplace can cause lung damage and a lung disease called silicosis. Symptoms of silicosis may include (but are not limited to) shortness of breath, difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; right heart enlargement and/or failure.

4.3 Indication of any immediate medical attention and special treatment needed

Not all individuals with silicosis will exhibit symptoms of the disease. However, silicosis can be progressive, and symptoms can appear at any time, even years after exposures have ceased. Persons with silicosis have an increased risk of pulmonary tuberculosis infection.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

This product is not flammable. Use extinguishing agents suitable for surrounding materials.



Unsuitable extinguishing media
None

5.2 Special hazards arising from the substance or mixture

Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).

5.3 Advice for firefighters

No unusual fire or other hazards exist.

5.4 Further information

The presence of this material in a fire does not hinder the use of any standard extinguishing medium. Use extinguishing medium for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin. Wear appropriate protective equipment as described in Section 8.

6.2 Environmental precautions

Prevent further leakage or spillage. Do not let product enter drainage systems where it can harden and clog flow.

6.2 Methods and materials for containment and cleaning up

Scrape wet concrete and place in container. Allow material to dry or solidify before disposal.

6.3 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Respirable crystalline silica-containing dust may be generated during processing, handling, and storage. Use all appropriate measures of dust control or suppression, and Personal Protective Equipment (PPE) described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.2 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Portland Cement	15 (total dust) 5 (respirable fraction)	10 (respirable fraction)	10 (total dust) 5 (respirable fraction)
Respirable dust containing silica	10 ÷ (%silica + 2)	Use Respirable Silica TLV	Use Respirable Silica TLV
Respirable Crystalline Silica (quartz)	NE - Use respirable dust PEL	0.025	0.05
Respirable Tridymite and Cristobalite (other forms of crystalline silica)	1/2 of OSHA/MSHA respirable dust PEL	0.025	0.05

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Amorphous Silica	20 mppcf (80 mg/m ³ /percent silica)	NE	6
Iron Oxide	10 (total dust)	5 (respirable fraction)	5 (respirable fraction)
Magnesium Oxide	15 (total dust)	10 (inhalable fraction)	NE
Aluminum Oxide	15 (total dust)	10 (total dust)	15 (total dust)
Manganese Oxide	5 (Respirable) 5 (as Mn)	0.2 (as Mn)	5 (Respirable) 1 (as Mn)
Particulates Not Otherwise Classified	15 (total dust) 5 (respirable fraction)	10 (inhalable fraction) 3 (respirable fraction)	NE

8.2 Exposure controls

8.3 Appropriate engineering controls

Minimize splashing through concrete discharge flow rates. While cutting, crushing or grinding hardened concrete, minimize dust generation through suppression and ventilation methods.

8.4 Personal protective equipment

Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or 29 CFR 1926.103.

Skin protection

Waterproof gloves, rubber boots, and clothing sufficient to protect skin from contact with wet product should be worn. Clothing saturated from contact with wet product should be removed promptly to prevent continued contact with skin. After working with product, workers should clean their skin with soap and water. Clean clothing should be worn after showering.

Respiratory protection

Not required when working with wet product. Activities that generate dust from hardened dry product require the use of a NIOSH approved dust respirator for the exposure circumstances involved

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Semi-fluid, flowable paste	Color: Usually grey
b) Odor	odorless	
c) pH	12 - 13	
d) Melting/Freezing point	No data available	
e) Initial boiling point & range	No data available	
f) Flash point	No data available	
g) Evaporation rate	No data available	
h) Flammability (solid, gas)	No data available	

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|---|---|
| i) Upper/Lower flammability or explosive limits | No data available |
| j) Vapour pressure | No data available |
| k) Vapour density | No data available |
| l) Specific Gravity | 1.7 – 2.4 |
| m) Water solubility | Slight : 0.1% - 1% |
| n) Auto-ignition temp. | No data available |
| o) Decomposition temp. | No data available |
| p) Explosive properties | No data available |
| q) Oxidizing properties | This substance is classified as an oxidizer with the Category 3 |

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Exposure to moisture.

10.5 Incompatible materials

Unhardened concrete is alkaline and is incompatible with acids, ammonium salts and aluminum metals. Portland cement dissolves in hydrofluoric acid and produces silicon tetrafluoride gas. Portland cement reacts with water to form silicates which in turn react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride.

10.6 Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not classified

Skin corrosion/irritation

Causes severe skin burns

Serious eye damage/eye irritation

Causes serious eye damage

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

May cause cancer (inhalation)

Reproductive toxicity

No data available



Specific target organ toxicity - single exposure

May cause respiratory irritation

Specific target organ toxicity - repeated exposure

May causes damage to organs (lungs, respiratory system) through prolonged or repeated exposure (inhalation)

Aspiration hazard

No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Material can be retained until it hardens, and then disposed of as solid waste. Place contaminated materials in appropriate containers and dispose of in a manner consistent with applicable federal, state, and local regulations. Prevent from entering drainage, sewer systems, and unintended bodies of water. It is the responsibility of the user to determine, at the time of disposal, whether product meets criteria for hazardous waste. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

14. TRANSPORT INFORMATION

DOT (US)

UN number: Not regulated

Proper shipping name: Not regulated

Packing Group: Not Regulated

Hazard Class: Not regulated

15. REGULATORY INFORMATION

TSCA Status

Not listed

§302 Components

Not listed

§304 Components

Not listed

§313 Components

Not listed

California Prop. 65

This product contains a chemical (crystalline silica, chromium, cobalt, nickel) known to the State of California to cause cancer.

16. OTHER INFORMATION

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