

SAFETY DATA SHEET

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: BRAKE CLEANER
Control Number: 00008
Product Description: Cleaner Solvent

COMPANY IDENTIFICATION

Supplier: Chemical Distribution Solutions
1125 Oak St. Ste. 303
Conway, AR 72032

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC
General Information: (501) 978-1111

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Acute toxicity, Oral Category 4
Skin irritation Category 2
Eye irritation Category 2B
Aspiration Hazard -- Category 1

[Environmental]

Acute aquatic toxicity Category 2

[Physical]

Flammable Liquid Category 2

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Danger

Symbols: Flammable, Irritant

Hazard Phrases

H225 Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H315+320 Causes Skin and Eye irritation
H304 May be fatal if swallowed and enters airways.

Precautionary Phrases:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P262 Do not get in eyes, on skin, or on clothing
P288 Use protective clothing as required.
P301+330+331: IF SWALLOWED: Rinse mouth. Do Not induce vomiting.
P403 + P235 Store in a well-ventilated place. Keep cool.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Hexane	110-54-3	85-95
Isopropyl Alcohol	67-63-0	01-10
Methanol	67-56-1	01-10

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SECTION 4- FIRST AID MEASURES

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes. If irritation persists seek medical attention.

Skin: Remove contaminated clothing. Wash exposed skin with soap and water. If severe irritation develops seek medical attention.

Inhalation: For excessive inhalation remove to fresh air. If breathing is difficult or tightness of the chest, is dizzy or lethargic give oxygen. Seek medical attention.

Ingestion: DO NOT induce vomiting unless instructed by a physician. Drink large quantities of water or milk. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: To extinguish flames use water fog, dry chemical, carbon dioxide or foam to extinguish flames.

Fire Fighting Procedures: EXTREMELY FLAMMABLE! Evacuate the area. Cool fire-exposed containers with water fog to prevent container weakening and possible rupture. Self-contained breathing apparatus (SCBA) in positive pressure mode, full bunker gear or structural firefighter's protective clothing are recommended.

Fire and Explosion Hazards: Vapors are heavier than air. Concentrated vapors will travel great distances and can be ignited by an open ignition source causing a flashback fire danger.

SECTION 6 - ACCIDENTAL RELEASE AND DISPOSAL MEASURES

Small Spill: Stop source of spill. Remove all ignition sources. Salvage as much material as possible for possible re-use. Absorb residual on inert media and collect into suitable container.

Large Spill: Shut off or plug source of spill. Dike spill area to contain spill. Salvage as much material as possible for possible re-use. Absorb residual on inert media and collect into suitable container. Avoid contaminating ground and surface water.

Waste Disposal Method: Do not flush to drain. Follow local, state and federal regulations for disposal.

SECTION 7 - STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage: Do not use in confined spaces. Always store in tightly sealed, properly labeled original container. Containers should be grounded to prevent static sparks. Store in a cool, dry well ventilated area, away from acute fire hazards. Use non-sparking tools and equipment.

Other Precautions: Follow Label Instructions and Precautions.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:	Hexane	50 ppm ACGIH; 500 ppm OSHA
	Isopropyl Alcohol	400 ppm ACGIH; 400 ppm OSHA
	Methanol	200 ppm ACGIH; 200 ppm OSHA

Personal Protective Equipment (PPE):

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

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Other Equipment: Eye wash station and shower in close proximity to use are advised.

SECTION 9- PHYSICAL and CHEMICAL PROPERTIES

Flash Point: -12 °F

Autoignition Temperature: 496 °F

Boiling Point: 148 °F

Melting Point: No available data

Vapor Pressure: 94 mmHg

Vapor Density (Air-1): 2.4

Odor/Appearance: Clear liquid with mild solvent odor.

Flammable Limits: Lower: 1.0 Upper: 8

Specific Gravity: 0.69

Volatile %: 100

Evaporation Rate (BuAc=1): 7.1

pH: Not applicable

Solubility in Water: Negligible

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal use conditions.

Conditions to Avoid: Prevent vapor accumulation. Keep away from heat, sparks and open flames.

Incompatibility: Avoid contact with strong alkalis, acids and oxidizing agents.

Hazardous Decomposition Products: Oxides of Carbon and a mixture of various hydrocarbons.

Hazardous Polymerization: Not expected to occur.

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SECTION 11 • TOXICOLOGICAL INFORMATION

Skin: Repeated or prolonged contact can cause redness, irritation, cracking and dryness.

Eyes: Liquid contact may cause temporary discomfort, redness and stinging. Vapors may be irritating to the eyes.

Inhalation: High vapor concentrations may be irritating to the respiratory tract. Breathing of vapor may cause central nervous system depression, resulting in dizziness, light-headedness, headache, and loss of coordination.

Ingestion: Liquid can directly enter the lungs (aspiration) when swallowed or vomited. Serious lung damage may result and possibly fatal chemical pneumonia can develop if this occurs.

Acute oral toxicity:

Hexane: LD50 rat: 5 g/kg

Isopropyl Alcohol: LD50 mouse: 1870 mg/kg

Methanol: LD50 rat: 5628 mg/kg

Acute inhalation toxicity:

Hexane: LD50 rat: 20 mg/kg

Isopropyl Alcohol: LC50 rat: 4000 mg/kg, 8 hours

Methanol: LC50 rat: 83.2 mg/L

Acute dermal toxicity:

Hexane: LD50 rabbit: 2 g/kg

Isopropyl Alcohol: LD50 rabbit: 4060 mg/kg

Methanol: LD50 rabbit: 15800 mg/kg

SECTION 12 • ECOLOGICAL INFORMATION

When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is not expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate.

SECTION 13 • DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 • TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Flammable Liquid, n.o.s. (contains hexane, methanol, isopropyl alcohol)

Hazard Class: 3

UN Number: 1993

Packaging Group: II

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SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

SARA Section 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories: This product contains the following toxic chemical subject to reporting requirements: None

Clean Water Act: This product does not contain any chemicals which are listed under the CWA.

California Prop 65: This product contains Methanol a chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: August 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 3

Reactivity: 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.