

# Material Safety Data Sheet

## Section 1 PRODUCT IDENTIFICATION

Product Name: **BRAKE CLEANER**

### Supplied By:

Chem-Tech, Inc.

6551 Jansen Avenue NE – Suite 106

Albertville, MN 55301

Emergency Telephone: 1-800-535-5053

Information: 1-763-417-1380

Fax: 763-417-1389

## Section 2 COMPOSITION/INGREDIENT INFORMATION

<u>Chemical Name</u>	<u>CAS#</u>	<u>%</u>
Hexane (Mixed Isomers)	110-54-3	45-55%
Isopropanol	67-63-0	20-30%
N-Hexane	110-54-3	15-25%

## Section 3 HAZARDS IDENTIFICATION

### RISK STATEMENTS:

Extremely Flammable. In use, may form flammable/explosive vapor-air mixture. Harmful: May cause lung damage if swallowed. Irritating to eyes, respiratory system and skin.

### SAFETY STATEMENTS:

Keep container tightly closed. Keep container in a well-ventilated area. Keep away from sources of ignition. No smoking. Do not empty into drains. Use only in well ventilated areas. Avoid contact with skin and eyes.

## Section 4 FIRST AID

Eyes: Immediately flush with plenty of water for 15 minutes and get medical attention.

Skin: Immediately remove contaminated clothing. Wash thoroughly with soap and water. Wash contaminated clothing before reuse.

Inhalation: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration.

Ingestion: Get immediate medical advice. Inducing vomiting may cause aspiration into the lungs.

## Section 5 FIRE FIGHTING MEASURES

Extinguishing Media: NFPA Class B extinguishers (carbon dioxide or foam) for Class I B liquid fires.

Special Fire Fighting Measures: Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker of gear (helmet with faceshield, bunker coats, gloves & rubber boots). Use NIOSH approved positive pressure self-contained breathing apparatus.

Fire and Explosion Hazards: **EXTREMELY FLAMMBLE. VAPORS CAN CAUSE FLASH FIRE.** Keep container tightly closed. Isolate from oxidizers, heat, sparks, electric equipment & open flame. Closed containers may explode if exposed to extreme heat. Apply to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions.

## Section 6 ACCIDENTAL RELEASE MEASURES

Keep unprotected personnel away. Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept from area until cleaned. **OTHER PRECAUTIONS:** Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.



**Section 11 TOXICOLOGICAL INFORMATION**

<u>Material</u>	<u>CAS#</u>	<u>TWA (OSHA)</u>	<u>TLV (ACGIH)</u>	<u>HAP</u>
Hexane (Mixed Isomers)	110-54-3	500 ppm	500 ppm	Yes
Isopropanol	67-63-0	400 ppm	200 ppm A4	No
n-Hexane	110-54-3	500 ppm	50 ppm	Yes

In addition to EPA Hazardous Air Pollutants showing "yes" under HAP above, using manufacturer's data, based on EPA Method 311, the following EPA hazardous air pollutants may be present in trace amounts (less than 0.1%): BENZENE

<u>Material</u>	<u>CAS#</u>	<u>CEILING</u>	<u>STEL (OSHA/ACGIH)</u>
Hexane (Mixed Isomers)	110-54-3	None Known	1000ppm
Isopropanol	67-63-0	None Known	400 ppm

**ACUTE HAZARDS:**

**EYE & SKIN CONTACT:** Primary irritation to skin, defatting, dermatitis. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling. **INHALATION:** Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs. **INGESTION:** Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**CHRONIC HAZARDS:** Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs. Persons with severe skin, liver, or kidney problems should avoid use. **CANCER, REPRODUCTIVE & OTHERS:** n-Hexane may cause peripheral neuropathy. Leukemia has been reported in humans from Benzene. This product contains less than 72 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin can be harmful.

**Section 12 ECOLOGICAL INFORMATION**

<u>Mammalian Information</u>	<u>CAS#</u>	<u>Lowest Known Lethal Dose Data LD 50 (oral)</u>	<u>Lowest Known LVC50 (vapors)</u>	<u>Lowest Known LD 50 (skin)</u>
Isopropanol	67-63-0	584.0 mg/Kg (rats)	16000 ppm (rats)	16400.0 mg/kg (rabbits)

**Aquatic Animal Information:** The most sensitive known aquatic group to any component of this product is Chub 1000 ppm or mg/L (24 hour exposure). Keep out of sewers and natural water supplies. **MOBILITY:** This product is a mobile liquid. **DEGRADABILITY:** This product is partially biodegradable. **ACCUMULATION:** This product does not accumulate or biomagnify in the environment.

**Section 13 DISPOSAL CONSIDERATIONS**

Recycle and or dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If questions exist, contact the appropriate agencies.

**Section 14 TRANSPORTATION INFORMATION**

If container has >PRODUCT RQ (see section 15) put "RQ", BEFORE SHIPPING NAME.

DOT SHIPPING NAME: UN1263, Paint Related Material, 3, PGII

Drum Label: Flammable Liquid

IATA/ICAO: Paint Related Material, 3, UN1263, PGII

IMO/IMDG: Paint Related Material, 3, UN1263, PGII

Emergency Response Guidebook Number: 128

**Section 15 REGULATORY INFORMATION**

EPA REGULATION: Sara Section 311/312 Hazards: Acute, Health, Fire

All components of this product are on the TSCA list. SARA Title III Section 313 Supplier Notification – This product contains the <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

**SARA TITLE III INGREDIENTS**

Ingredient	CAS#	WT%	REG SECTION	RQ (lbs)
Hexane	110-54-3	50	311, 312,313	5000
n-Hexane	110-54-3	21	311, 312, 313	5000

>9890 lb/4495 kg of this product in 1 container exceeds the "RQ" of hexane (mixed isomers). Any release equal to or exceeding the RG must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State and local regulations may be more restrictive than federal regulations.

U.S. STATE REGULATIONS: This product meets requirements of Southern California AQMD Rule 443.1 & similar regulations.

INTERNATIONAL REGULATIONS: The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, Europe (EINECS), Japan, Korea, United Kingdom.

**Section 16 ADDITIONAL INFORMATION & WHMIS**



HMIS RATING SYSTEM:

Health: 2

Flammability: 3

Reactivity: 0

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Class	Description	Symbol
B2	Flammable liquid Flash point < 0°F	
D2A	Very toxic material causing other effects. Chronic toxicity: peripheric neuropathy	

**Section 17 Documentary Information**

Date issued:	1-25-07	Supercedes:	1-16-2007	Reason for update:	New formulation
Prepared by:	K. Reese	Title:	Assistant	Phone:	763-417-1380

**ABBREVIATIONS:** NE = NOT ESTABLISHED  
NA = Not Applicable  
> = GREATER THAN  
C = Ceiling Limint  
ND = Not Determined

NDA = NO DATA AVAILABLE  
HAP = Hazardous Air Pollutant  
<= LESS THAN  
VOC = Volatile Organic Compound

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