# MSDS Document

## Product Dynatex® 49670 Non-Chlorinated Brake & Parts Cleaner

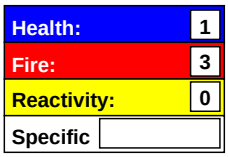
### 1. Chemical Product and Company Identification

**Trade Name of this Product Dynatex® 49670 Non-Chlorinated Brake & Parts Cleaner**

**MSDS ID DYN49670**

**Manufacturer**
Dynatex Inc.
350 Ring Road
Elizabethtown, KY 42701

**Phone Number**
(270) 769-3385
**Emergency Phone**
CHEMTREC (800) 424-9300
**Revision Date** 7/14/2009




### 2. Composition and Information on Ingredients

| Ingredient | CAS Number | Weight % | ACGIH TLV | PEL | STEL |
|---|---|---|---|---|---|
| n-Hexane | 110-54-3 | 90 % | 50 ppm | 50 ppm | 1000 ppm |
| Isopropanol | 67-63-0 | 10 % | 400 ppm | 400 ppm | 500 ppm |

### 3. Hazard Identification

**IMPORTANT**
DANGER!
EXTREMELY FLAMMABLE!
VAPORS CAN ACUSE FLASH FIRE!

**Eye Contact**
Primary irritation to eyes is redness, tearing and blurred vision.

**Skin Contact**
Primary irritation to skin is defatting and dermatitis.

**Inhalation**
Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can also cause damage to kidneys, blood, nerves, liver and lungs.

**Ingestion**
Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

**Chronic Effects**
Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs.

**Existing Conditions Aggravated by Exposure**
Persons with severe skin, liver or kidney problems should avoid use.

**Note:**
This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 14986 and of CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

## 4. First Aid Information

**Eye Contact**
Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

**Skin Contact**
In case of contact with 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**
If swallowed, get medical attention immediately! Do NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

## 5. Fire Fighting Measures

| | |
|---|---|
| **Flash Point** | -26C/-16F |
| **FP Method** | TCC |
| **LEL** | 1.3 |

**Auto Ignition Temperature**
321C / 610F (lowest component)

**Flammability Class**
1B

**Extinguishing Media**
NFPA Class B extinguishers (carbon dioxide or foam) for Class 1B liquid fires.

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

**Unusual Explosion and Fire Procedures**
EXTREMELY FLAMMABLE!
VAPORS CAN CAUSE FLASH FIRE.
Keep container tightly closed. Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container vary hazardous. Continue all label precautions.

## 6. Accidental Release Measures

**Steps to be taken in case of spill or release**
Stop spill at source. Dike area and contain. Clean remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept from area until clean up is complete.

Vapors may spread long distances and ignite explosively. Prevent vapor buildup, put out pilot lights and turn off heaters, electrical equipment and other ignition sources during use and until all vapors are gone.

## 7. Handling and Storage

**Handling**
Isolate from oxidizers, heat, sparks, electrical equipment and open flames. Use only with adequate ventilation. Avoid breathing vapor or spray mist. Avoid contact with skin and eyes. Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do NOT flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions.

**Storage**
Vapors may ignite explosively and spread long distances. Prevent vapor buildup. Put out pilot lights and turn off heaters, electrical equipment and other ignition sources during use and until all vapors are gone. Do not store above 49C/120F. Store large amounts in structures made for OSHA Class 1B liquids. Keep container tightly closed and upright when not in use to prevent leakage.

## 8. Exposure Controls and Personal Protection

**Exposure Controls**
Ventilate to keep vapors of this material below 25 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive pressure self-contained breathing apparatus. Consult safety equipment supplier. Use explosion-proof equipment.

**Ventilation**
Local Exhaust: Necessary
Mechanical (general): Acceptable
Special: None
Other: None

**Personal Protection**
Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

## 9. Physical and Chemical Properties

| | |
|---|---|
| **Physical State** | Liquid |
| **Specific Gravity** | 0.693 |
| **Density lbs/Gal.** | 5.769 |
| **Color/Appearance** | Water-white |
| **Odor** | Alcohol |
| **Boiling/Cond. Point** | 64C/148F |
| **VOC %** | 693.5 g/L |
| **Vapor Density** | 2.8 (air=1) |

**Note**
The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

## 10. Stability and Reactivity

**Chemical Stability**
Stable

**Hazardous Polymerization**
Will not occur

**Conditions to Avoid**
Isolate from oxidizers, heat, sparks, electrical equipment and open flames.

**Hazardous Decomposition Product**
Carbon monoxide and carbon dioxide from burning.

**Material to Avoid**
Isolate from strong oxidizers such as permanganates, chromates, peroxides.

## 11. Toxicological Information

**Cancer, Reproductive and Other Chronic Hazards**
n-Hexane may cause peripheral neuropathy. This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date greater or equal to 0.1%.

This product may contain less than 88 ppm Benzene. Not considered hazardous in such low

concentrations.

## 12. Ecological Information

**Environmental Fate and Distribution**
Complete information is not yet available.

**Environmental Effects**
Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**
Complete information is not yet available.

## 13. Disposal Considerations

**Waste Disposal Method**
We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

## 14. Transportation Information

**DOT Shipping Name**
Paint Related Material

## 15. Regulatory Information

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status**
All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**SARA Title III Section 304 CERCLA Hazardous Substances**
n-Hexane (110-54-3)

If more than 5,641 lbs of the product is in one container, the "RQ" is exceeded.

**SARA Title III Section 302 Extremely Hazardous Substances**
None

**SARA Title III Section 313 Toxic Chemicals**
n-Hexane (110-54-3)

**California Proposition 65**
This product contains the following chemical known to the State of California to cause cancer:
Benzene

**New Jersey**
n-Hexane (110-54-3)
Isopropanol (67-63-0)

**Pennsylvania**
n-Hexane (110-54-3)
Isopropanol (67-63-0)

**Other**
The following EPA Hazardous Air Pollutants are present (using manufacturer's data, based on EPA Method 311):
n-Hexane
Benzene (may be present in trace amounts - less than 0.1%)

**Note**
This product meets requirements of Southern California AQMD Rule 443.1 and similar regulations.

## 16. Other Information

**Disclaimer**
The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.