



MATERIAL SAFETY DATA SHEET

Next Dimension Brake & Parts Cleaner

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Next Dimension Brake & Parts Cleaner
Product Number: A00732
Product Use: Brake Cleaner.
Manufacturer/Supplier: Amrep, Inc.
 990 Industrial Park Drive
 Marietta, GA 30062
Phone Number: (770) 422-2071 (Mon - Fri / 8am - 5pm ET)
D.O.T. Emergency Phone: CHEM TEL (800) 255-3924
 INTERNATIONAL: +01-813-248-0584
Date of Preparation: December 18, 2010 **Revision #:** 2.0

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS: See Section 15

DANGER

EXTREMELY FLAMMABLE. HARMFUL BY INHALATION. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause eye irritation.
Skin: May cause skin irritation.
Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.
Inhalation: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Handling can cause dry skin. Vapours may cause drowsiness and dizziness.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS # | Wt. % |
|----------------|----------|---------|
| Acetone | 67-64-1 | 30 - 60 |
| Heptane | 142-82-5 | 30 - 60 |
| Carbon dioxide | 124-38-9 | 1 - 5 |



MATERIAL SAFETY DATA SHEET

Next Dimension Brake & Parts Cleaner

Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. If easy to do, remove contact lenses, if worn.
- Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
- General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

- Flammability:** Extremely flammable by OSHA criteria.
- Means of Extinction:**
- Suitable Extinguishing Media:** Powder, foam, carbon dioxide.
 - Unsuitable Extinguishing Media:** Water.
- Products of Combustion:** May include, and are not limited to: oxides of carbon.
- Explosion Data:**
- Sensitivity to Mechanical Impact:** Not available.
 - Sensitivity to Static Discharge:** Not available.
- Protection of Firefighters:** Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
- Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.
- Other Information:** Not available.



MATERIAL SAFETY DATA SHEET
Next Dimension Brake & Parts Cleaner

Section 7: HANDLING AND STORAGE

Handling:

Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using, do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Keep container in a well-ventilated place. Do not store at temperatures above 49°C / 120°F.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Ingredient | Exposure Limits | |
|----------------|-----------------|-----------|
| | OSHA-PEL | ACGIH-TLV |
| Acetone | 750 ppm | 500 ppm |
| Heptane | 400 ppm | 400 ppm |
| Carbon dioxide | 5000 ppm | 5000 ppm |

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Personal Protective Equipment:

HMIS: See Section 15

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|-------------------------|
| Appearance: | Clear. |
| Color: | Colorless. |
| Odour: | Solvent. |
| Odour Threshold: | Not available. |
| Physical State: | Gas/Pressurized Liquid. |
| pH: | Not applicable. |
| Viscosity: | Not available. |
| Freezing Point: | Not available. |
| Boiling Point: | Not available. |
| Flash Point: | Not available. |
| Evaporation Rate: | Not available. |
| Lower Flammability Limit: | Not available. |
| Upper Flammability Limit: | Not available. |



MATERIAL SAFETY DATA SHEET

Next Dimension Brake & Parts Cleaner

| | |
|--|-----------------------------------|
| Vapor Pressure: | 80-100 PSIG @ 21°C (70°F) |
| Vapor Density: | Not available. |
| Specific Gravity: | 0.728 (Concentrate only) |
| Solubility in Water: | Insoluble. |
| Coefficient of Water/Oil Distribution: | Not available. |
| Auto-ignition Temperature: | Not available. |
| Percent Volatile, wt. %: | Not available. |
| VOC content, wt. %: | 44.7% (US federal/CARB/OTC/LADCO) |
| VOC content, g/L: | Not available. |

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials.

Incompatible Materials: Oxidizers.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

| Ingredient | LD ₅₀ (oral) | LC ₅₀ |
|----------------|-------------------------|-------------------------------|
| Acetone | 5800 mg/kg, rat | Not available. |
| Heptane | 5000 mg/kg, mouse | 103 g/m ³ 4hr, rat |
| Carbon dioxide | Not available. | Not available. |

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: May cause skin irritation. Handling can cause dry skin.

Ingestion: Not a normal route of exposure. Harmful: may cause lung damage if swallowed.

Inhalation: Harmful by inhalation. May cause respiratory tract irritation. May cause asphyxiation. This product may be aspirated into the lungs and cause chemical pneumonitis. Vapours may cause drowsiness and dizziness.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: (Effects due to excessive exposure to the raw materials of this mixture)
Excessive inhalation may result in central nervous system effects.

Carcinogenicity: Not hazardous by OSHA criteria.



MATERIAL SAFETY DATA SHEET
Next Dimension Brake & Parts Cleaner

Ingredient

Acetone
Heptane
Carbon dioxide

Chemical Listed as Carcinogen or Potential Carcinogen *

G-A4
Not listed.
Not listed.

* See Section 15 for more information.

Mutagenicity: Not hazardous by OSHA criteria.

Reproductive Effects: Not hazardous by OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by OSHA criteria.

Embryotoxicity: Not hazardous by OSHA criteria.

Respiratory Sensitization: Not hazardous by OSHA criteria.

Skin Sensitization: Not hazardous by OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

ORM-D

Section 15: REGULATORY INFORMATION

Federal Regulations

US: MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III

| Ingredient | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 |
|----------------|---------------------------------|------------------------------|---------------------|----------------|
| Acetone | Not listed. | Not listed. | 5,000 | 313 |
| Heptane | Not listed. | Not listed. | Not listed. | Not listed. |
| Carbon dioxide | Not listed. | Not listed. | Not listed. | Not listed. |

State Regulations

California Proposition 65:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.



MATERIAL SAFETY DATA SHEET

Next Dimension Brake & Parts Cleaner

Global Inventories

Ingredient

Acetone
Heptane
Carbon dioxide

**USA
TSCA**
Yes.
Yes.
Yes.

HMIS - Hazardous Materials Identification System

Health - 2 Flammability - 3 Physical Hazard - 0 PPE - B

NFPA - National Fire Protection Association:

Health - 2 Fire - 3 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

Prepared by: Nexreg Compliance Inc.
Prepared for: Amrep, Inc.
Phone: (770) 422-2071 (Mon - Fri / 8am - 5pm ET)

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

| IDENTITY AND MANUFACTURER'S INFORMATION | | | | | | |
|---|--|---|----------------------|---|------------------------|----------------------------------|
| NFPA Rating: Health-2; Flammability-3; Reactivity-0; Special-- | | HMIS Rating: Health-2; Flammability-3; Reactivity-0; Personal Protection-B | | | | |
| Manufacturer's Name: AMREP INC. Address: 990 Industrial Park Drive Marietta, GA 30062 | | DOT Hazard Classification: Flammable Liquid, 3 Identity (trade name as used on label): NEXT DIMENSION NON-CHLORINATED BRAKE & PARTS CLEANER VOC | | | | |
| Phone: 770-422-2071 | | MSDS Number: B00732 | | Revision: 3 | | |
| EMERGENCY RESPONSE NUMBER: 1-800-255-3924 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA | | Date Prepared: 05/26/06 Information Calls: (770)422-2071 | | Prepared By: RC/IB | | |
| SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION | | | | | | |
| COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater) | | CAS Number | SARA III LIST | OSHA PEL (ppm) | ACGIH TLV (ppm) | Carcinogen Ref. Source ** |
| HEPTANE | | 142-82-5 | No | 500 | 400 | d |
| ACETONE | | 67-64-1 | No | 100 | 750 | d |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS | | | | | | |
| Boiling Point: 120-150°F | | Specific Gravity (H2O=1): 0.73 | | | | |
| Vapor Pressure: PSIG @ 70°F (Aerosols): N/A | | Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/E | | | | |
| Vapor Density (Air = 1): <1 | | Evaporation Rate (butyl acetate = 1): <1 | | | | |
| Solubility in Water: None | | Water Reactive: No | | | | |
| Appearance and Odor: Clear liquid with Solvent Ketone Odour | | | | | | |
| SECTION 3 - FIRE AND EXPLOSION HAZARD DATA | | | | | | |
| FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) N/A | | Auto Ignition Temperature N/E | | Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E | | |
| FLASH POINT AND METHOD USED (non-aerosols): <0°F | | EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide. | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. | | | | | | |
| Unusual Fire & Explosion Hazards: Do not expose to temperatures above 130°F or the container may rupture. | | | | | | |
| SECTION 4 - REACTIVITY HAZARD DATA | | | | | | |
| STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE | | HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR | | | | |
| Incompatibility (Mat. to avoid): Strong oxidizing agents. | | Conditions to Avoid: Open flame, welding arcs, heat, sparks. | | | | |
| Hazardous Decomposition Products: Carbon dioxide, carbon monoxide. | | | | | | |
| SECTION 5 - HEALTH HAZARD DATA | | | | | | |
| PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS | | | | | | |
| ACUTE EFFECTS | | | | | | |
| Inhalation: Excessive inhalation of vapors can cause nasal & respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation. | | | | | | |
| Eye Contact: Slight irritation. | | Skin Contact: Slight irritation due to defatting of skin. | | | | |
| Ingestion: Possible chemical pneumonitis if aspirated into lungs. | | | | | | |
| CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture) | | | | | | |
| Excessive inhalation of solvent can result in respiratory & pulmonary effects. | | | | | | |
| Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions. | | | | | | |
| EMERGENCY FIRST AID PROCEDURES | | | | | | |
| Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention. | | | | | | |
| Skin Contact: Wash with soap and water. If irritated, seek medical attention. | | | | | | |
| Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention. | | | | | | |
| Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention. | | | | | | |
| SECTION 6 - CONTROL AND PROTECTIVE MEASURES | | | | | | |
| Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH approved for organic vapor. | | | | | | |
| Protective Gloves: Neoprene | | Eye Protection: Safety glasses recommended. | | | | |
| Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV. | | | | | | |
| Other Protective Clothing & Equipment: None | | | | | | |
| Hygienic Work Practices: Wash with soap and water before handling food. | | | | | | |
| SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE | | | | | | |
| Steps To Be Taken If Material Is Spilled Or Released: Extinguish all ignition sources. Use positive pressure fresh air mask. Dike area & pump to an intact container. | | | | | | |
| Waste Disposal Methods: Incinerate or landfill according to local, state or federal regulations. | | | | | | |
| Precautions To Be Taken In Handling & Storage: Store in a cool dry place away from heat and ignition sources. Vapors from this product may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge, or other ignition sources at locations distant from point of product use. | | | | | | |
| Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. | | | | | | |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
 ** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only