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MATERIAL SAFETY DATA SHEET

Section 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: Champion Non-Chlorinated Brake Cleaner Low VOC (CA Compliant)
Product Code: 4525DC/ANC
MSDS Date: April 27, 2011

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable (acetone) Target (acetone) CNS impairment, eye and upper respiratory tract irritation; hematological effects.

Potential Health Effects: See Section 11 for more information

Symptoms of Exposure:

Inhalation: May cause irritation
Ingestion: May cause irritation
Eyes: May cause irritation
Skin: May cause irritation

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

This material contains components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: See Section 12 for more information.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

No.	Component CAS REG. NO.	Amount %	OSHA		ACGIH	
			TWA	STEL	TWA	STEL
1	Acetone CAS# 67-64-1	1-100	1,000 ppm	Not Avail	500 ppm	Not Avail
2	Heptane CAS# 142-82-5	>1	500 ppm	Not Avail	400 ppm	Not Avail

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. If the material is swallowed, get medical attention or advice.

Skin: If irritation is experienced, flush with water. If irritation persists, get medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point: -20°C
Auto-ignition Temperature: Not available
Flammability Classification: Flammable Liquid IB

Extinguishing Media: Use carbon dioxide, dry chemical powder, or alcohol resistant foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

HAZARD	HMIS	NFPA
Toxicity	1	1
Fire	3	3
Reactivity	0	0
Special	G	

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Protection:

For large spills wear gloves, Tyvek suits, safety glasses, and appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open bodies of water, municipal sewers, and watercourses.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Storage:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Respiratory Protection: Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Wear appropriate respirator when ventilation is inadequate.

Eye/Face Protection: Splash goggles.

Hand Protection: Butyl rubber gloves

Body: Chemical resistant protective suit.

Other Protective Equipment:

Facilities storing or utilizing this material should be equipped with eyewash and safety shower facilities.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, State	Clear liquid
Color	Clear
Odor	Sweet
pH (1%soln/water)	Not available
Vapor Density (acetone)	2.0 (air = 1)
Boiling Point (acetone)	56.05C at 1013.25 hPa
Vapor Pressure (acetone)	233 hPa at 20C
Melting Point/freezing point (acetone)	-94.7C
Flash Point (See Section 5)	
Flammability Properties (See section 5)	
Solubility (in water)	soluble
Specific Gravity (Acetone)	0.7854
Evaporation Rate	Not available
Octanol/Water partition coefficient (Kow) (acetone):	-0.24
Auto-ignition temperature (acetone):	465C
Decomposition temperature (acetone):	Not available
VOC% Content	2.37%

Section 10: STABILITY AND REACTIVITY

Stability: This material is considered stable at ambient temperatures 70°C (21°C).

Condition to Avoid: Flames, sparks, electrostatic discharge, heat and other ignition sources, moisture.

Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing agents.

Hazardous Decomposition: Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: This product will not undergo polymerization.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Component Analysis LD50

Acetone (67-64-1)
Oral LD50 Rat: 5800 mg/kg
Heptane (142-82-5)
Inhalation LC50 Rat 103 g/m³ 4 h; Oral LD50 Mouse
5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg

CHRONIC EFFECTS:

Component

Acetone (67-64-1)
Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen
Neurotoxicity: This product contains Acetone, a central nervous system target.
Mutagenicity: No information available for product.
Reproductive: No information available for product.
Developmental: No information available for product.
Target Organs: Acetone can target the respiratory system, eyes, CNS, kidneys, hematology.

Heptane (142-82-5)
Carcinogenic Effects: Not classifiable for human or animal by U.S. EPA.
Mutagenic Effects: Not Available.
Teratogenic Effects: Not Available
Developmental Toxicity: Not Available
Target Organs: CNS impairment, upper respiratory tract irritation

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Acetone (67-64-1)

96 hour LC50 Oncorhynchus mykiss: 5540 mg/L (static)
96 hour LC50 Pimephales promelas 6210 mg/L [flow through]
96 hour LC50 Lepomis macrochirus: 8300 mg/L [static]
15 min EC50 Photobacterium phosphoreum: 14,500 mg/L
48 Hr EC50 water flea: 0.0039 mg/L
48 hour EC50 water flea: 12,700 mg/L [static]
48 hour EC50 Daphnia magna: 12,600 mg/L

Ecotoxicity: Heptane (142-82-5)

96 Hr LC50 Cichlid fish: 375.0 mg/L
24 Hr EC50 Daphnia magna: >10 mg/L

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

Proper Shipping Name: Flammable Liquids, n.o.s. (contains acetone)
Hazard Class: 3
Identification No.: UN1993
Packing Group: II
Label: Flammable Liquid

Section 15: REGULATORY INFORMATION

RCRA INFORMATION

Acetone RCRA waste number U002 (Ignitable waste)

Section 16: OTHER SUPPLEMENTAL INFORMATION

Prepared by: Champion Brands, LLC.

Disclaimer:

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