



MATERIAL SAFETY DATA SHEET

MSDS: CHAMPION® MSDS 4086K & KH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHAMPION® MSDS 4086K & KH

Synonyms:

4086K & KH CHAMPION® AIR LOK EMERGENCY TIRE INFLATER

Company Identification

Champion Brands, L.L.C., 1001 Golden Drive, Clinton, MO 64735

PHONE: 800-821-5693 WEBSITE: www.championbrands.com

CAS Registry Number

Not Applicable

Synonyms

None

Generic/Chemical Name

NA

Product Type

AEROSOL TIRE CARE PRODUCT CONTAINING AN AQUEOUS
SOLUTION OF ETHYLENE GLYCOL

Preparation Date

March 20, 2007

Transportation Emergency Response

CHEMTREC: (800) 424-9300

Product Information

Product Information and MSDS Requests: (800) 821-5693 and www.championbrands.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	OSHA	ACGIH	Other	AMOUNT
ISOBUTANE	75-28-5	-	-	-	10% - 15% weight
ETHYLENE GLYCOL	107-21-1	50 ppm	100 ppm	50 ppm (California OSHA)	3% - 5% weight
PROPANE	74-98-6	1000 ppm	-	-	1% - 5% weight
AMMONIUM HYDROXIDE	1336-21-6	50 ppm	25 ppm		< 1% weight

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Prolonged contact with skin may cause moderate irritation. Harmful if swallowed or if eye contact occurs.

POTENTIAL HEALTH EFFECTS

CARCINOGENICITY: Product not considered a carcinogen by OSHA, NTP, or IARC.

MEDICAL CONDITIONS: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

TARGET ORGANS: Lungs, kidneys, liver and nervous system.

PRIMARY ENTRY ROUTES: Ingestion, inhalation.

ACUTE HEALTH EFFECTS

EYE: Will cause irritation upon contact.

SKIN: Prolonged contact with skin can cause irritation. Repeated skin contact may cause persistent irritation and dermatitis.

INHALATION: Respiratory irritation and dizziness.

INGESTION: Large dose can be fatal.

CHRONIC HEALTH EFFECTS: None known.



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4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.

SKIN CONTACT: Wash area with soap and water. Seek medical attention if irritation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.

INGESTION: INDUCE vomiting. Only give CONSCIOUS victim two glasses of water and seek medical attention. NEVER give UNCONSCIOUS victim anything by mouth.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 1 Flammability: 2 Reactivity: 0 **AEROSOL:** Level One

FLAMMABLE PROPERTIES:

FLASH POINT COC: < 0°F

ESTIMATED FLAMMABLE LIMITS: UEL 15.3% LEL 1.9%

EXTINGUISHING MEDIA: Carbon Dioxide (CO₂), Dry Chemical, Foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

FIRE FIGHTING INSTRUCTIONS: Containers can build up pressure if exposed to fire. Containers should be cooled with water spray.

FIRE FIGHTING EQUIPMENT: Self contained breathing apparatus with full face piece operated in positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Mixtures with air are highly flammable. Vapors are heavier than air and may travel long distances to ignition sources (open flames, glowing metal surfaces). Containers may rupture when exposed to extreme heat.

6. ACCIDENTAL RELEASE INFORMATION

SPILL/LEAK PROCEDURES: Notify safety personnel, evacuate all unnecessary personnel and provide adequate ventilation. If feasible and without risk, clean-up personnel should stop leak. All clean-up personnel should wear proper personal protective equipment.

SMALL SPILL: Clean with inert absorbant and place in recovery drums for disposal.

LARGE SPILL: Dike to prevent further migration of material. DO NOT release into waterways or sewers. Follow applicable federal and state regulations (20CFR1910.120).

NOTE: Product in aerosol container, spill hazard unlikely.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

7. HANDLING AND STORAGE

STORAGE REQUIREMENTS: Store in clean, dry locations away from excessive heat. Store in areas designated for the storage of Level I aerosols according to NFPA 30B (Manufacturing and Storage of Aerosol Products.)

HANDLING PRECAUTIONS: Wash thoroughly after handling. Do not get into eyes, on skin, or on clothing.

8. EXPOSURE CONTROL/PERSONAL PROTECTIVE EQUIPMENT

ENGINEERING CONTROLS: Eye wash station and safety shower.

VENTILATION: General ventilation. Material non-volatile.

PERSONNEL PROTECTIVE EQUIPMENT



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EYE: Chemical splash goggles with indirect or no ventilation.
SKIN: None required under normal use.
RESPIRATORY: None required under normal use.
COMMENTS: Never eat, drink, or smoke in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White milky
Physical State: liquid
Boiling Point: < 0 F
Odor: Faint ammoniacal odor
Evaporation Rate
(Butyl Acetate = 1): <1
Solubility: Soluble in water ~80 % by weight
Vapor Pressure: 50 psig @ 70F
Spec Grav./Density: 1.025
Vapor Density(AIR=1): >1
VOC Content: 20% by weight

10. STABILITY AND REACTIVITY

STABILITY: Material is stable
POLYMERIZATION: Hazardous polymerization cannot occur.
CHEMICAL INCOMPATIBILITIES: Strong oxidizing agents.
CONDITION TO AVOID: Excessive heat and open flame.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, and carbon dioxide.

11. TOXICOLOGY INFORMATION

-----LD50-----
Ammonium Hydroxide: 350 mg/kg (oral)
Ethylene Glycol: 8.54 mg/kg (oral) no data.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No data
ENVIRONMENTAL FATE: No data

13. DISPOSAL INFORMATION

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

14. TRANSPORTATION INFORMATION

DOMESTIC: ORM-D CONSUMER COMMODITIES
EXPORT: AEROSOL DISPENSERS, CLASS 2.1 UN1950, IMCO 9.0, PAGE 9022

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA: Considered hazardous material as defined by 29CFR1910.1200

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

CHEMICAL	CAS NUMBER	CONCENTRATION %
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Ethylene Glycol	107-21-1	3-5
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FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 cfr 302.4.

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CHEMICAL	CAS NUMBER	CONCENTRATION %	RQs IN #'S
Ethylene Glycol	107-21-1	3-5	5000

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: All are listed

EPA SARA TITLE III:

-Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n):

*IMMEDIATE (acute) HEALTH HAZARD

*DELAYED (chronic) HEALTH HAZARD

*SUDDEN RELEASE HAZARD

-Section 313 (40CFR372): This product contains ingredients which are subject to the reporting requirements of SARA 313:

*Ethylene Glycol

STATE REGULATIONS

CALIFORNIA PROPOSITION 65: This product does not contain ingredients which are on the current Proposition 65 list.

CALIFORNIA VOC'S: 20%

STATE RIGHT-TO-KNOW:

CHEMICAL	CAS #	CONC %	MA	PA	NJ	CA
Ethylene Glycol	107-21-1	3-5	LISTED	LISTED	LISTED	LISTED
Isobutane	75-28-5	10-15	LISTED	LISTED	LISTED	LISTED
Propane	74-98-6	1-5	LISTED	LISTED	LISTED	LISTED
Ammonium Hydroxide	1336-21-6	< 1	LISTED	LISTED	LISTED	LISTED

16. DISCLAIMER

NFPA RATINGS: Health: 1 Flammability: 2 Reactivity: 0

HMIS RATINGS: Health: 2 Flammability: 2 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

NOTES:

*NG="NOT GIVEN" *BT="BETWEEN" *<="LESS THAN" *>="GREATER THAN"

USER'S RESPONSIBILITY: This MSDS provides environmental, health and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please contact your local sales representative or our Environmental, Health and Safety Department for further information.

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by Champion LLC, 1001 Golden Drive, Clinton, Missouri 64735.

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