



# SAFETY DATA SHEET

## 1. Product Identification

Champion Brands, LLC  
1001 Golden Drive  
Clinton, MO 64093  
(660) 885-8151

**Product line:** CHAMPION® Wipe-R-Clean  
**Products:** 4303  
**CAS:** Not applicable (Mixture)  
**Synonyms:** Aerosol cleaner  
**Recommended use:** Window and glass cleaner  
**Restrictions:** Do not use near heat/sparks/open flames.  
**Created:** 23 July 2012  
**Revised:** 30 July 2012  
**Emergency phone:** CHEMTREC: (+1) 800-424-9300

## 2. Hazards Identification

**Appearance:** Clear, colorless liquid  
**Odor:** Alcohol/solvent odor  
**Classification(s):** Flammable Aerosol, Category 1  
**Target organs:** None known  
**Symbol(s):**



**Signal Word:** DANGER  
**Hazard Statement(s):** Extremely flammable aerosol.  
**Other hazard(s):** Repeated exposure may cause dryness of the skin. Though this product has minimal toxicity, it can be absorbed through the skin. May also cause corneal damage or conjunctivitis with prolonged or repeated eye exposure.  
**Precaution(s):** Keep away from heat/sparks/open flames/hot surfaces – no smoking. Do not breathe mist/vapors/spray. Use in a well ventilated area. Do not use without protective eyewear. Wear protective gloves/protective clothing.

**Disposal:** Keep out of waterways. Check local, national, and international regulations for proper disposal

### 3. Composition/Information on Ingredients

#### Hazardous Ingredients:

<i>Component</i>	<i>CAS No.</i>	<i>Conc (wt%)</i>
Isopropanol	67-63-0	3 – 5
2-Butoxyethanol	111-76-2	3 – 5
Propane	74-98-6	1 – 3
n-Butane	106-97-8	1 – 3

### 4. First Aid Measures

<b>Eyes</b>	Remove contact lenses, if worn. Immediately rinse with running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention if irritation develops or persists.
<b>Skin</b>	Remove affected clothing and launder before reuse. Wash affected area for at least 15 minutes with soap and running water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove exposed person to fresh air immediately. Restore or assist breathing, if necessary. Get medical attention if victim has difficulty breathing or loses consciousness.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs, keep head below hips to minimize risk of aspiration. Give one glass of water if symptoms develop, get medical advice.
<b>Additional Info</b>	Note to physician: Contains isopropanol and 2-butoxyethanol
<b>Specific Treatments</b>	None

### 5. Fire Fighting Measures

<b>NFPA (estimated):</b>	<b>Health – 1    Fire – 3    Instability – 0</b>
<b>Flash Point</b>	-104.4°C / -156°F
<b>Extinguishing Media</b>	CO <sub>2</sub> , dry chemical, water spray, aqueous film forming foam (alcohol resistant) type with 3% or 6% foam proportioning system.
<b>Unsuitable Media</b>	None specified

**Firefighting Procedures:** Isolate and restrict area access. Use water spray to cool down contains and prevent build-up of pressure. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus or airline and appropriate protective fire fighting clothing as per NFPA.

**Unusual Hazards** In lean conditions, flame may be only faintly visible. Vapors may travel long distances along the ground and may be ignited from distant sources. See section 10 for additional information

## 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Flammable aerosol. Do not walk through spilled material. Keep unnecessary personnel away. Wear appropriate personal protective equipment for emergency. Ventilate if released in a confined area. Eliminate sources of ignition if it is safe to do so.

**Environmental precautions:** Avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways or groundwater

**Methods for removal:** Use an explosion-proof pump to remove bulk liquid. Residual liquid can be absorbed on inert material. **Use only non-sparking tools.**

## 7. Handling and Storage

**Max. Handling Temp:** Do not store or handle at elevated temperatures. See Section 5 for flammability and Section 10 for chemical stability

**Procedures:** Use only in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, intoxication, nervous system depression or methanol poisoning. Avoid breathing dust, fume, gas, mist, vapors, or spray. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of the product. Do not weld, heat, or pressurize empty containers. Do not re-use containers.

Dispose of packaging or containers in accordance with local, regional, national, and international regulations. Store away from strong oxidizers

**Max Store Temp:** Do not store or handle at elevated temperatures.

## 8. Exposure Controls/Personal Protection

### Exposure Limits

#### US

#### Guidelines by component

*Isopropyl alcohol (CAS # 67-63-0)*

OSHA TWA: 400 ppm

ACGIH TWA: 200 ppm

ACGIH STEL: 400 ppm

*2-Butoxyethanol (CAS # 111-76-2)*

OSHA TWA: 50 ppm

ACGIH TWA: 20 ppm

*Propane (CAS # 74-98-6)*

OSHA TWA: 1000 ppm

ACGIH TWA: 1000 ppm

*n-Butane (CAS # 106-97-8)*

ACGIH TWA: 1000 ppm

**Other Exposure Limits:** Not determined

**Engineering Controls:** Use in a well ventilated area. Local and general ventilation should keep methanol vapor concentration below permissible limits. Where exposure potential exceeds recommended limits, use a NIOSH/OSHA approved supplied air respirator as recommended. Vapors are heavier than air and will tend to accumulate in low-lying areas.

#### Personal Protective Equipment

**Respiratory:** Use an approved respirator when concentrations exceed exposure control limits. In very high exposure situations, use a positive-pressure supplied air respirator.

**Eye:** Face shield or chemical splash goggles

**Gloves:** Use butyl rubber or nitrile rubber gloves.

**Clothing:** Use chemical resistant pants and jackets, preferably of butyl or nitrile rubber

**Other:** Locate the nearest eyewash station and safety shower before handling this product. Limit exposure whenever possible. Consider flammability and always use non-sparking tools.

**Hygiene:** Wash thoroughly after handling this product.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Compressed, liquefied gas
<b>Odor</b>	Alcohol/solvent odor
<b>Odor threshold</b>	Not determined
<b>pH</b>	9.5 – 10.5
<b>Melting Point</b>	Not determined
<b>Initial Boiling Pt</b>	97.2°C / 206.6°F
<b>Flash Point</b>	-104.4°C / -156°F
<b>Evaporation Rate</b>	Not determined
<b>Upper Flammable Lm</b>	Not determined
<b>Lower Flammable Lm</b>	Not determined
<b>Explosive Data</b>	Vapors of this product may form explosive mixtures with air
<b>Flammability (HOC)</b>	4.006 KJ/g estimated
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	>1 (where air = 1)
<b>Volatile Organics</b>	Not determined
<b>Density</b>	0.957 mg/cu. cm @15.6°C
<b>Solubility</b>	Completely soluble in water
<b>K<sub>ow</sub></b>	Not determined
<b>Viscosity</b>	Not determined
<b>Autoignition Point</b>	Not determined
<b>Decomposition Temp</b>	Not determined

## 10. Stability and Reactivity

<b>Stability</b>	Material is normally stable at ambient temperatures and pressures. High risk of ignition.
<b>Decomposition Temp</b>	Not determined
<b>Incompatibility</b>	Oxidizers and strong acids or bases. Contact with these materials may cause violent or explosive reactions.
<b>Polymerization</b>	Will not occur
<b>Thermal Decomposition</b>	Primarily oxidizes to carbon dioxide in normal combustion conditions. In lower oxygen environments carbon monoxide, or other carbon oxides
<b>Conditions to Avoid</b>	Flammable aerosol – keep away from strong oxidizers, acids, bases as well as heat/sparks/open flames/hot surfaces

## 11. Toxicological Information

### - Acute Exposure -

<b>Eye Irritation</b>	Expected to cause mild to moderate irritation of the eye if exposed to liquid or in high vapor concentrations. May cause irritation, tearing, or burning of the eyes.
<b>Skin Irritation</b>	May cause drying, cracking or minor irritation of the skin.
<b>Respiratory Irritation</b>	May cause irritation to the respiratory system
<b>Dermal Toxicity</b>	Low order of dermal toxicity (LD50: 5577mg/kg estimated, rat, dermal)
<b>Inhalation Toxicity</b>	Low order of respiratory toxicity, however product may be dangerous in high exposure situations (LC50: 55mg/l/4h estimated, rat, inhalation)
<b>Oral Toxicity</b>	Low order of toxicity, but may be harmful or fatal in the unlikely event that very large quantities are ingested.
<b>Aspiration Hazard</b>	Not likely to pose aspiration hazard

### - Chronic Exposure -

<b>Chronic Toxicity</b>	This product may cause dryness or defatting of the skin, dermatitis, or may aggravate existing skin conditions.
<b>Carcinogenicity</b>	This product and its components are NOT listed by the IARC, NTP, ACGIH, or OSHA as carcinogens
<b>Mutagenicity</b>	Available information does not suggest that this product is a germ cell mutagen
<b>Reproductive Toxicity</b>	Available information does not suggest that this product is a reproductive toxin.
<b>Teratogenicity</b>	Available information does not suggest that this product is a teratogen.

### - Additional Information -

<b>Target organ toxicity</b>	Product is toxic to organs: Central nervous system, eyes. Isopropyl alcohol is toxic to the nervous system and eyes, and may cause damage if ingested in very large quantities.
<b>Synergistic effects</b>	None known
<b>Pharmacokinetics</b>	Not known

## 12. Ecological Information

### - Environmental Toxicity -

<b>Fish</b>	Acute LC50 = 27671 mg/l/96h, fish
<b>Invertebrates</b>	Acute EC50 = 22805 mg/l/48h, daphnia
<b>Algae</b>	Acute LC50 = 7853 mg/l/72h, algae
<b>Bacteria</b>	Not determined

**- Environmental Fate –**

<b>Biodegradation</b>	This product easily biodegrades in water and soil. Products of biodegradation are carbon dioxide and water.
<b>Bioaccumulation</b>	Product is very mobile in soil and water and is volatile – it is not expected to bioaccumulate.
<b>Soil Mobility</b>	Product has high mobility in soil, and evaporates easily at environmentally relevant temperatures
<b>Other Effects</b>	Not determined

**13. Disposal Considerations****Disposal Considerations**

All disposal practices must be in accordance with local, regional, national, and international regulations. Store material for disposal as indicated in Section 7. Disposal by controlled incineration or by secure land fill may be acceptable – review applicable regulations or regulatory bodies before making disposal decisions.

**Contaminated Containers or Packaging**

Empty containers are likely to contain flammable vapors or explosive mixtures of vapor and air. Do NOT weld, cut, or grind empty containers. Rinse empty containers with water and dispose of in accordance with local, regional, national, and international regulations

**14. Transportation Information**

Description shown may not apply to all shipping situations. Consult applicable shipping codes to determine any additional shipping requirements

<b>US DOT</b>	<b>ORM-D, Consumer Commodity</b>
<b>IMDG</b>	UN 1950, Aerosols, Class 2.1 LTD QTY, 5F
<b>ICAO/IATA</b>	UN 1950, Aerosols (flammable), Class 2.1 LTD QTY

**15. Regulatory Information****- Global Chemical Inventories/Regulations –**

<b>USA</b>	All components of this material are on the US TSCA
<b>Other TSCA Reg.</b>	None known
<b>EU</b>	Components of this product and similar mixtures are NOT registered under REACH. Consult the European Chemicals Agency regarding REACH registration, reporting, and other legal requirements for methanol solutions before importing to the EU.
<b>New Zealand</b>	May require notification before sale under New Zealand Regulations

**Canada** All components of this product are listed on the Canadian Domestic Substances List (DSL).

**- Other U.S. Federal Regulations -**

**SARA Ext. Haz. Subst.** No chemicals in this product are listed on the SARA 302 Extremely Hazardous Substances list.

**SARA Sect. 313** This product contains 2-butoxyethanol (CAS # 111-76-2) and isopropyl alcohol (CAS # 67-63-0), found in SARA 313. See 40 CFR 372

**SARA 311/312 Class**

<i>Acute Hazard</i>	- YES
<i>Chronic Hazard</i>	- YES
<i>Fire Hazard</i>	- YES
<i>Pressure Hazard</i>	- YES
<i>Reactivity Hazard</i>	- NO

**CERCLA Haz. Sub.** 2-butoxyethanol (CAS # 111-76-2) and isopropyl alcohol (CAS # 67-63-0) are listed. See 40 CFR 302

**- State Regulations -**

**CA Prop 65** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

<b>Right to Know Component</b>	<b>Right to Know States</b>
2-Butoxyethanol (CAS # 111-76-2)	NJ, PA
Isopropanol (CAS # 67-63-0)	NJ, PA, MA
n-Butane (CAS # 106-97-8)	NJ, PA, MA
Propane (CAS # 74-98-6)	NJ, PA, MA

## 16. Other Information

Revision updates may be in many sections and the MSDS should be read in its entirety. Prepared according to the UN Globally Harmonized System for the Classification and Labeling of Chemicals (GHS) by Champion LLC, 1001 Golden Drive, Clinton, Missouri 64735.

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