

**FIREDOG™ - CITRUS CLEANER - RTU**

SDS NO.: KCFDCC01

Rev Date: 10-01-2021

Rev. Num. 01

**1. IDENTIFICATION:**

COMPANY NAME: Knight Chemicals LLC  
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Milwaukee, WI 53223  
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EMERGENCY CONTACT: Call CHEMTREC at 800-424-9300 for 24 hour Emergency Response involving a spill, leak, fire, exposure, or accident. CCN670544

PRODUCT NAME / USE: FireDog™ - CITRUS CLEANER – Concentrate  
USES: Hard Surface Cleaner, Automotive Maintenance Product

**2. HAZARD(S) IDENTIFICATION:**

**EMERGENCY OVERVIEW:**

APPEARANCE: Orange / Liquid / Characteristic  
ODOR: Orange / Citrus - Scent  
REACTIVITY: None  
PRIMARY ROUTE OF ENTRY: Eyes, Skin, Inhalation, Ingestion

**POTENTIAL HEALTH EFFECTS:**

**EYE:** Avoid eye contact. May cause burns to the eyes.

**SKIN CONTACT:** Brief contact is essentially nonirritating to skin. May cause slight irritation or dryness if prolonged contact occurs.

**INGESTION:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation or ulceration.

**INHALATION:** The substance is not dangerous by inhalation. Mist may cause irritation to upper respiratory tract (nose and throat).

### 3. COMPOSITION / INFORMATION ON INGREDIENTS:

**PRODUCT TRADE NAME:** FireDog™ - Citrus Cleaner – Concentrate  
**CHEMICAL NAME:** None - Mixture

<u>CHEMICAL</u>	<u>Wt %</u>	<u>CAS No.</u>	<u>TLV (ACGIH)</u>	<u>PEL (OSHA)</u>
D-Limonene	< 20	005989-27-5	None Established	
Water	> 50	007732-18-5	None Established	
Non-Hazardous Ingredients	> 10	Mixture	None Established	

### 4. FIRST AID MEASURES

**EYES:** Irrigate with flowing water immediately and continuously for 15 minutes. Hold lids open while flushing. If effects occur, consult medical personnel immediately.

**SKIN:** Wash off with soap and water. Get medical attention if irritation develops and persists.

**INGESTION:** If swallowed, give 3-4 glasses of water. Only induce vomiting as directed by medical personnel (Never give anything by mouth or attempt to induce vomiting in an unconscious person.)

**INHALATION:** Remove to fresh air; if effects occur, administer oxygen if necessary. Consult a physician.

### 5. FIRE-FIGHTING MEASURES:

**FIRE & EXPLOSION HAZARD:** This material does not burn.

**EXTINGUISHING MEDIA:** This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

**FIRE FIGHTING PROCEDURES:** Keep people away. Isolate fire and deny unnecessary entry. This material does not burn. Fight fire for other material that is burning. Water should be applied in large quantities as a fine spray.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** Wear NIOSH approved positive-pressure, self-containing breathing apparatus (SCBA) operated in pressure demand mode. Wear protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).

**Lower Flammability Level (air):** Not Applicable  
**Upper Flammability Level (air):** Not Applicable  
**Flash Point:** Not Applicable  
**Auto-Ignition Temperature:** Not Applicable

## 6. ACCIDENTAL RELEASE MEASURES:

**OCCUPATIONAL RELEASE:** Small and large spills: Contain spilled material if possible. Collect in suitable and properly labeled containers. Flush residue with plenty of water. See Section 13, Disposal Considerations, for additional information. Absorb with materials such as sand.

**PERSONAL PRECAUTIONS:** Spilled material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.

## 7. HANDLING & STORAGE

Comply with federal, state, and local laws, regulations and procedures when storing this product. Store in a tightly closed container. Store away from incompatible materials. Do not store in attic, upper floors or any area where leaking of contents could cause damage.

**SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep out of reach of children and pets. Use only as directed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

**ENGINEERING CONTROLS:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### PERSONAL PROTECTIVE EQUIPMENT:

#### RESPIRATORY PROTECTION

Industrial Setting:	No respiratory protective equipment normally needed
Household Setting:	No respiratory protective equipment normally needed

#### SKIN & BODY PROTECTION:

Industrial Setting:	Not required under normal use
Household Setting:	Not required under normal use

#### EYE PROTECTION:

Industrial Setting:	No special requirements
Household Setting:	No special requirements

#### HAND PROTECTION:

Industrial Setting:	None required
Household Setting:	None required

## 9. PHYSICAL & CHEMICAL PROPERTIES:

<b>BOILING POINT:</b>	212° F (Same as water)
<b>FREEZING POINT:</b>	32° F
<b>VAPOR PRESSURE:</b>	N / D
<b>VAPOR DENSITY:</b>	Same as water
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>SPECIFIC GRAVITY:</b>	1.0 (est.)
<b>APPEARANCE:</b>	Translucent Orange Liquid
<b>ODOR:</b>	Orange / Citrus - Scent
<b>FLASH POINT:</b>	Not Applicable
<b>FLAMMABLE LIMITS:</b>	
<b>LFL</b>	N/A
<b>UFL</b>	N/A
<b>EVAPORATION RATE:</b>	N / D
<b>FINISHED PRODUCT WEIGHT:</b>	7.95 lbs/gal

## 10. STABILITY & REACTIVITY:

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Heat in excess of 212° F.

**INCOMPATIBILITY:** Any contact with strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can produce carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION:

### ACUTE HAZARDS:

**Inhalation:** Vapor mist may cause irritation.

**Skin Contact:** May cause slight irritation or dryness if contact occurs.

**Eye Contact:** Avoid eye contact, may cause burns to the eyes.

**Ingestion:** Swallowing may cause gastrointestinal disturbances.

**Chronic Hazards:** None currently known.

### ACUTE TOXICITY:

D-Limonene: Oral LD50 (Rat) = 4400 mg/kg  
Dermal LD50 (Rabbit) = >5000 mg/kg

## 12. ECOLOGICAL INFORMATION:

### ECOTOXICITY DATA:

This product is believed not to be dangerous to the environment with respect to degradability, aquatic toxicity and other ecotoxicity data.

Product is readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS:

**DISPOSAL METHOD:** Reuse or recycle if possible. All disposal practices must be in compliance with all Federal, State/Provincial and Local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Consumer may discard empty container in trash, or recycle where facilities exist.

## 14. TRANSPORT INFORMATION:

**U.S. DOT 49 CFR 172.101:** Not Regulated

**CANADIAN TRANSPORTATION OF DANGEROUS GOODS:** Not Regulated

**The Transportation of Dangerous Goods Act (T.D.G.A.)** classification for this product is: Not Regulated

**D.O.T. Hazard Class:** Not Regulated

**D.O.T. Label:** N/A

**D.O.T. Identification:** N/A

## 15. REGULATORY INFORMATION:

### Global Chemical Inventories:

**EPA TSCA Inventory:** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CEPA Inventory:** All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA). All of the ingredients are listed on the Canadian DSL or the NDSL.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

**SARA Hazard Category (311/312):** Acute Health.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the Controlled Products Regulations (CPR).

## 16. OTHER INFORMATION:

### HAZARDOUS MATERIAL INFORMATION SYSTEM (H.M.I.S.):

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>

**Caution: HMIS ratings are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.**

Information contained on these sheets needs to be made available to your workers according to the OSHA Hazard Communication Standard 29CFR 1910.1200 and the Workplace Hazardous Materials Information System (WHMIS).

This Safety Data Sheet and the information it contains is offered to you in good faith as accurate, but there is no representation, guarantee or warranty, either expressed or implied, regarding its accuracy, reliability or completeness. This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Certain health and safety precautions given in this data sheet may not be adequate for all individuals and/or situations. It is the user's responsibility to use this product safely and to satisfy themselves as to the suitability and completeness of such information for their own particular use. Consult with appropriate experts to guard against hazards associated with the use of this product and its ingredients. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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