

Safety Data Sheet



C K Enterprises, Inc.
1204 SW Jefferson Street
Lee's Summit, Missouri 64081-9899
(816) 524-1304

Section 1. Chemical Product and Company Identification

Product Name K Red
Product Use Solvent Cleaner/Degreaser
Product Code 6872-A20
Date of Issue 1/7/16
Supersedes -

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

Acute Toxicity; Dermal	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/ eye irritation	Category 2A
Specific Target Organ Toxicity, single exposure; Narcotic Effects	Category 3
Aspiration Hazard	Category 1

Physical Hazards

Flammable aerosol	Category 1
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Environmental Hazards

Hazardous to the aquatic environment, acute effects	Category 1
Hazardous to the aquatic environment, long term effects	Category 1

Precautionary Statements:

P210	Keep away from heat, sparks, open flames and hot surfaces – no smoking
P211	Do not spray on an open flame or other ignition sources
P251	Pressurized container: Do not pierce or burn even after use
P261	Avoid breathing in mist, spray or vapors
P264	Wash hands thoroughly after handling
P271	Use outdoors or in a well-ventilated area
P273	Avoid release into the environment
P280	Wear protective gloves, clothing and eye protection
P301+P310	IF SWALLOWED: Immediately call a poison center or physician if you feel unwell
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep in a recovery position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a poison center or physician if you feel unwell
P331	Do NOT induce vomiting
P332+P313	IF skin irritation occurs: Get medical advice/attention
P337+P313	IF eye irritation persist: Get medical advice/attention
P362	Remove contaminated clothing and wash before reuse
P391	Collect spillage: Hazardous to the aquatic environment
P403+P233	Store in a well-ventilated area. Keep container tightly closed.
P405	Store locked up
P410+P412	Protect from sunlight. Do not expose to temperature exceeding 122°F.
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H222	Extremely flammable aerosol
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Routes of Entry Dermal, Oral, and Inhalation**Acute Effects:**

Eyes	Causes serious eye irritation. Overexposure can cause redness and burning sensation
Skin	Causes skin irritation. Overexposure can cause defatting.
Inhalation	Causes irritation, headache, dizziness, nausea and loss of coordination. Overexposure can cause unconsciousness and even death.
Ingestion	Nausea, vomiting and gastrointestinal distress

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Heptane	142-82-5	66-86
Isopropanol	67-63-0	2-7
Carbon Dioxide	124-38-9	2-7
Methanol	67-56-1	1-5

Section 4. First Aid Measures

Eye Contact	Rinse cautiously with water for at least 15 minutes holding open eyelids. Remove contact lenses if present and easy to do. If irritation persists, get medical advice or attention.
Skin Contact	Remove all contaminated clothing; wash before reuse. Wash skin with water for at least 15 minutes. Call a poison center or doctor if you feel unwell.
Inhalation	Remove to fresh air. Call a poison center or doctor if you feel unwell.
Ingestion	Rinse mouth. Do not induce vomiting. Immediately call a poison center or physician. If vomiting occurs, lie on your side in the recovery position. Never give anything orally to an unconscious person.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)
(estimated rating)



Hazardous Combustion Products	CO and CO ₂
Extinguishing Media	Water, fog, dry chemical or carbon dioxide
Unsuitable Extinguishing Media	Water may be ineffective but can be used to cool containers
Fire Fighting Procedures	Stop spill/release if it can be done without risk. Move undamaged containers if it can be done safely. Contents under pressure. Keep away from ignition sources and open flames. Exposure to extreme heat and flames can cause them to rupture often with violent force.

Section 6. Accidental Release Measures

Spill Clean Up	Stop spill/release if it can be done without risk. Prevent spilled material from entering sewers, storm drains and waterways. Eliminate all ignition sources. Avoid contact with spilled material. Do not touch or walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for disposal.
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Section 7. Handling and Storage**Handling and Storage**

For industrial use only. Keep away from children. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe in vapors. Do not eat, drink or smoke while using product. Store in a cool, dry place. Protect from sunlight. Empty containers retain residue that may be dangerous.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
Heptane (142-82-5)	500ppm	85ppm	-	400ppm
Isopropanol (67-63-0)	400ppm	400ppm	-	200ppm
Carbon Dioxide(124-38-9)	5,000ppm	5,000ppm	-	5,000ppm
Methanol (67-56-1)	200ppm	200ppm	-	200ppm

Engineering Controls

Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

Eyes Chemical splash goggles

Body Rubber or neoprene gloves, long sleeved shirt and pants

Respiratory Use a NIOSH approved respirator if TLV are reached or exceeded

Section 9. Physical and Chemical Properties

Physical State	Aerosol	Explosive Limits	N/A
Color	Clear	Vapor Pressure	N/A
Odor	Solvent odor	Vapor Density	Slower than ether
Odor Threshold	N/A	Relative Density	N/A
pH	N/A	Solubility	Insoluble
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	High: 170°F Low: 142°F	Auto-Ignition Temp.	N/A
Flash Point	<73°F	Decomposition Temp.	N/A
Evaporation Rate	Slower than ether	Viscosity	N/A
Flammability	Extremely flammable aerosol	Specific Gravity	N/A

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	None known
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	CO and CO ₂
Conditions to Avoid	High temperatures, sparks or flames

Section 11. Toxicological Information

Routes of Entry	Dermal, oral and inhalation
Symptoms	See section 2
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined

Mutagenicity	No information found
Carcinogenicity	Group 3 (IARC): Isopropanol (67-63-0)
Reproductive Toxicity	No information found
Target Organs	May cause drowsiness or dizziness (Category 3)
Aspiration Hazard	May be fatal if swallowed and enters airways (Category 1)

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	1,884mg/kg	ATE determined Category 4
Oral	2,651mg/kg	ATE determined beyond Category 4
Inhalation	27,990ppm	ATE determined beyond Category 4

Section 12. Ecological Information

Environmental Effects Toxic to aquatic life (Category 1)
Toxic to aquatic life with long lasting effects (Category 1)

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1950	Aerosols, Flammable, (each not exceeding 1L capacity)	2.1	-	2.1

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act

Section 313:	Isopropanol	67-63-0	2-7%
	Methanol	67-56-1	1-5%

The following substances have CERCLA reportable quantity values (in pounds):

Methanol 67-56-1 5,000

State Regulations The following substance is found by the State of California Prop 65 for causing developmental toxicity:
Methanol 67-56-1

Section 16. Other Information

Last Revision 1/7/16

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.