

Safety Data Sheet



C K Enterprises, Inc.
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Section 1. Chemical Product and Company Identification

Product Name CK Circuit & Contact Cleaner
Product Use Contact Cleaner
Product Code 6859-A16
Date of Issue 1/5/16
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; Inhalation	Category 4
Skin Corrosion/Irritation	Category 2
Serious eye damage/ eye irritation	Category 2B
Specific Target Organ Toxicity, single exposure; Respiratory Tract Irritation	Category 3
Reproductive Toxicity	Category 1B

Physical Hazards

Flammable Aerosols	Category 2
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Environmental Hazards

Hazardous to the aquatic environment, acute hazard	Category 3
Hazardous to the aquatic environment, long term effects	Category 3

Precautionary Statements:

P201	Obtain special instructions before reuse
P202	Do not handle until all safety precautions have been read and understood
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
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.
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	IF skin irritation occurs: Get medical advice/attention
P337+P313	IF eye irritation persists: Get medical advice/attention
P362	Remove contaminated clothing and wash before reuse
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:

H223	Flammable aerosol
H215	Causes skin irritation
H220	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

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

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

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
1-Bromopropane	106-94-5	58-98
Difluoroethane	75-37-6	20-34

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
1-Bromopropane (106-94-5)	-	-	-	10ppm
1,1-difluoroethane (75-37-6)	-	-	AIHA WEEL (United States, 10/2011). TWA: 1000 ppm 8 hours.	-

Engineering Controls

Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

Eyes Chemical splash goggles

Body 1-Bromopropane can be absorbed readily through human skin; therefore, chemical-protective gloves, arm sleeves, aprons, and other appropriate clothing should be worn to reduce skin exposure. 1-Bromopropane easily travels through most glove materials. Recommended glove materials for protection against 1-Bromopropane are supported polyvinyl alcohol or multiple-layer laminates ([Forsberg and Mansdorf 2007] OSHA and NIOSH Hazard Alert 1Bromopropane) DHHS (NIOSH) Publication Number 2013-150

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

Section 9. Physical and Chemical Properties

Physical State	Aerosol	Explosive Limits	Upper: 16.9	Lower: 3.9
Color	Clear	Vapor Pressure	N/A	
Odor	Solvent odor	Vapor Density	Slower than ether	
Odor Threshold	N/A	Density	10.09149 lb/gal	
pH	N/A	Solubility	Insoluble	
Freezing Point	N/A	Partition Coefficient	N/A	
Boiling Point	High: 158°F Low: 0°F	Auto-Ignition Temp.	N/A	
Flash Point	<73°F	Decomposition Temp.	N/A	
Evaporation Rate	Slower than ether	Viscosity	N/A	
Flammability	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

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	No information found on ingredients
Reproductive Toxicity	May damage fertility or the unborn child (Category 1B 1-Bromopropane. Animal tests show that this substance possibly causes toxicity to human reproduction or development.)
Target Organs	May cause respiratory irritation (Category 3)

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	126,346mg/kg	ATE determined beyond Category 4
Oral	3,987mg/kg	ATE determined beyond Category 4
Inhalation	18,221ppm	ATE determined Category 4

Section 12. Ecological Information

Environmental Effects Harmful to aquatic life (Category 3)
Harmful to aquatic life with long lasting effects (Category 3)

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	-	Consumer Commodity	ORM-D	-	None

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: None

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

None

State Regulations The following substance is found by the State of California Prop 65 as having both male and female developmental toxicity:

1-Bromopropane 106-94-5

Section 16. Other Information

Last Revision 1/5/16

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.