

**DIRECTIONS:** Read entire label before using this product.

1. Do not apply while equipment is energized.
2. Shut off power supply. Be sure all stored power is drained from system and allow hot surfaces to cool before using product.
3. For optimum results, prepare heavily soiled or corroded surfaces by buffing with a mild abrasive or spray with CRC Duster™.
4. When ready to use, puncture the top of the can as indicated on the cap. Insert the supplied trigger sprayer into the can.
5. Tilt surface and spray until clean.
6. Allow excess cleaner to run off.
7. Allow product to dry completely and thoroughly vent system before restoring power.

**Danger**

Highly flammable liquid and vapor. May displace oxygen and cause rapid suffocation. May be fatal if swallowed and enters airways. Causes skin irritation. Causes eye irritation. May cause drowsiness or dizziness. May damage fertility of the unborn child.



**Precautionary Statements**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing mist/vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Keep cool. Do not store container above 100 °F/38 °C. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride. Store in a well-ventilated place. Store locked up. Dispose of contents/container in accordance with local/regional/national regulations. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire.

**First Aid**

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention.

Contains hydrotreated light naphtha 64742-49-0, 1,1,1,3,3-pentafluorobutane 406-58-6, 2-methylpentane 107-83-5, 2,2,4-trimethylpentane 540-84-1, n-hexane 110-54-3, and methanol 67-56-1. Deliberate misuse by concentrating and inhaling the contents is illegal and can be harmful or fatal. Inhalation abuse can cause death. For additional information, consult SDS for this product.

**Electrical Shock Hazard**

This metal can will conduct electricity. Keep away from all live electrical sources. Failure to observe this warning may result in serious injury and/or flash fire.

Not for use in California.

VOC Category: Electronic Cleaner

VOC Limit: 75%



# QD® Contact Cleaner

**Quick Drying Formula**  
**Leaves No Residue**  
**Plastic Safe**



Nonfood Compounds  
Program Listed: K2  
Reg.# 017209



Para obtener información  
adicional en Español,  
visite [www.crcindustries.com](http://www.crcindustries.com).

For professional use only.  
This product is not packaged for  
retail sale or household use.  
Read warnings on back panel.

No. 02133  
Item# 1008124  
**Net Wt.**  
**14 fl oz (413 mL)**



To review S.D.S.: Tear (DO NOT CUT) label along these perforations and fold back label. After viewing, reattach label. Do not completely remove label until can is empty.

## 1. Identification

**Product identifier:** QD® Contact Cleaner

**Product code** No. 02133 (Item# 1008124)

**Recommended use** Electronic contact cleaner

**Restrictions** None known.

**Manufactured or sold by:** CRC Industries, Inc., 885 Louis Drive, Warminster, PA 18974

**Phone:** 215-674-4300

**Emergency phone number** CHEMTREC - 24 HOURS: 800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Flammable Liquids (Category 2)

**Health hazards** Skin corrosion/irritation (Category 2)

Serious eye damage/eye irritation (Category 2B)

Reproductive toxicity (Category 1A)

Specific target organ toxicity, single exposure

(Category 3 narcotic effects)

Aspiration hazard (Category 1)

**Label elements (see front side of label)**

## 3. Composition/information on ingredients

**Hazardous components**

Chemical name	CAS number	%
hydroretreated light naphtha	64742-49-0	40 – 50
1,1,1,3,3-pentafluorobutane	405-58-6	20 – 30
2-methylpentane	107-83-5	20 – 30
2,2,4-trimethylpentane	540-84-1	5 – 10
n-hexane	110-54-3	1 – 3
methanol	67-56-1	< 1

(The exact percentage of composition is being withheld as a trade secret.)

## 4. First-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory tract irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth. DO NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects** Aspiration hazard. Narcotic effects. Simple asphyxiant. Skin and eye irritation.

**Special treatment needed** Treat symptomatically. The effects might be delayed.

## 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards** Highly flammable liquid and vapor. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental release measures

**Personal precautions** In the event of a leak evacuate all personnel until ventilation can restore oxygen concentrations to safe levels. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Ensure adequate ventilation. Avoid breathing mist/vapor.

**Containment and cleaning up** Eliminate all ignition sources. Keep combustibles away from spilled material. Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. Avoid release to the environment.

## 7. Handling and storage

**Handling** Take precautionary measures against static discharges. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Do not enter confined spaces unless adequately ventilated. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

**Storage** Keep away from heat, sparks and open flame. Eliminate sources of ignition. Avoid spark promoters. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place away, from incompatible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

Components	Type	Value
2,2,4-trimethylpentane	PEL	500 ppm
methanol	TWA	200 ppm
hydroretreated light naphtha	PEL	100 ppm
n-hexane	TWA	50 ppm
2-methylpentane	TWA	500 ppm

**Appropriate engineering controls** Mechanical ventilation or local exhaust ventilation is recommended.

**Individual protection measures:**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection** Use protective gloves such as nitrile, neoprene, or PVC. Wear appropriate clothing to prevent skin contact.

**Respiratory protection** If needed, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

## 9. Physical and chemical properties

**Appearance** Colorless liquid.

**Odor threshold** Not available.

**Melting point/freezing point** Not available.

**Flash point** < 0 °F (< -17.8 °C)

**Explosive limit - lower (L)** 0.9

**Vapor pressure** 356 hPa

**Relative density** 0.74

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 489 °F (254 °C)

**Viscosity** Not available.

**Odor** Alcoholic.

**pH** Not available.

**Initial boiling point** 104 °F (40 °C)

**Evaporation rate** Very fast.

**Explosive limit - upper (U)** 36

**Vapor density** > 1 (Air = 1)

**Solubility(ies)** Negligible in water.

**Not available.**

**Decomposition temperature** Not available.

**VOC (Weight %):** 74.9% (4.6 lb/gal, 551 g/L)

## 10. Stability and reactivity

**Reactivity** Non-reactive

**Chemical stability** Stable

**Possibility of hazardous reactions** No

**Conditions to avoid heat:** flames and sparks. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** Carbon oxides. Hydrogen fluoride. Formaldehyde.

## 11. Toxicological information

**Information on likely routes of exposure:**

**Inhalation** Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels. May cause drowsiness, dizziness, nausea, and vomiting.

**Skin contact** Causes skin irritation.

**Eye contact** Causes eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Symptoms related to the physical, chemical and toxicological characteristics**

Aspiration hazard, Narcotic effects. Simple asphyxiant. Skin and eye irritation.

**Information on toxicological effects:**

**Acute toxicity** May be fatal if swallowed and enters airways.

**Respiratory or skin sensitization** Not a sensitizer.

**Germ cell mutagenicity** Not expected to be mutagenic or genotoxic.

**Reproductive toxicity** Not classifiable as to carcinogenicity to humans.

**Specific target organ toxicity** May cause drowsiness and dizziness.

**Aspiration hazard** May be harmful if swallowed and enters airways.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

**See full SDS for additional information**

## 13. Disposal considerations

**Disposal instructions** If discarded, this product is considered a RCRA ignitable waste, D001.

**Hazardous waste code** D001: Waste Flammable liquid

## 14. Transport information

**DOT shipping description:** UN1993, Flammable liquids, n.o.s. (Isorexane,

Pentafluorobutane), 3, PGII, Limited Quantity

## 15. Regulatory information

**SARA 313** methanol, n-hexane

**See full SDS for additional information**

## 16. Other information

**Issue date** 27-NOV-18

**CRC#** 844/1002820

**Version#** 02