

SAFETY DATA SHEET

1. Identification

Product identifier	QD® Contact Cleaner
Other means of identification	
Product Code	No. 02131 (Item# 1003219)
Recommended use	Electronic contact cleaner
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/E	Distributor information
Manufactured or sold by:	
Company name	CRC Industries, Inc.
Address	885 Louis Dr.
	Warminster, PA 18974 US
Telephone	
General Information	215-674-4300
Technical Assistance	800-521-3168
Customer Service	800-272-4620
24-Hour Emergency (CHEMTREC)	800-424-9300 (US)
Website	www.crcindustries.com

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
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Simple asphyxiant	
Label elements		



Signal word Hazard statement

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 or the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement	
Prevention	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. Ground/bond container and receiving equipment. 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. Avoid release to the environment.
Response	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. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire. Collect spillage.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national regulations.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride.

3. Composition/information on ingredients

Mixtures

Common name and synonyms	CAS number	%
	64742-49-0	40 - 50
HFC-365mfc	406-58-6	20 - 30
	107-83-5	20 - 30
	540-84-1	5 - 10
	110-54-3	1 - 3
	67-56-1	< 1
		HFC-365mfc 406-58-6 107-83-5 540-84-1 110-54-3

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory tract irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
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, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Fatigue. Nausea, vomiting. Very high exposure can cause suffocation from lack of oxygen. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Asphyxiation may bring about unconsciousness without warning and so rapidly that victim may be unable to protect themself. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing	Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire.
media	
Specific hazards arising from the chemical	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. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gases such as hydrogen fluoride.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	In the event of a leak evacuate all personnel until ventilation can restore oxygen concentrations to safe levels. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Do not enter storage areas or confined spaces unless adequately ventilated. Use only outdoors or in a well-ventilated area. Oxygen concentration should not fall below 19.5 % at sea level (pO2 = 135 mmHg). Mechanical ventilation or local exhaust ventilation may be required. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	
2,2,4-trimethylpentane (CAS 540-84-1)	PEL	2350 mg/m3	
		500 ppm	
methanol (CAS 67-56-1)	PEL	260 mg/m3	
		200 ppm	
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	PEL	400 mg/m3	
		100 ppm	
n-hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	
US. ACGIH Threshold Limit Value	es		
Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	STEL	1000 ppm	
	TWA	500 ppm	
methanol (CAS 67-56-1)	STEL	250 ppm	
	TWA	200 ppm	
n-hexane (CAS 110-54-3)	TWA	50 ppm	
US. NIOSH: Pocket Guide to Che	mical Hazards		
Components	Туре	Value	
2,2,4-trimethylpentane (CAS 540-84-1)	Ceiling	1800 mg/m3	
		385 ppm	
	TWA	350 mg/m3	
		75 ppm	
		75 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	Ceiling	1800 mg/m3	
		510 ppm	
	TWA	350 mg/m3	
		100 ppm	
methanol (CAS 67-56-1)	STEL	325 mg/m3	
		250 ppm	
	TWA	260 mg/m3	
		200 ppm	
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	TWA	400 mg/m3	
		100 ppm	
n-hexane (CAS 110-54-3)	TWA	180 mg/m3	
		50 ppm	

Biological limit values

ACGIH Biological Exposure Components	e Indices Value	Determinant	Specimen	Sampling Time
	15 mg/l	Methanol	Urine	*
· · · · ·	0.5 mg/l	2,5-Hexanedio ne, without hydrolysis	Urine	*
* - For sampling details, pleas	se see the source docu	iment.		
kposure guidelines				
US - California OELs: Skin	designation			
methanol (CAS 67-56-1) n-hexane (CAS 110-54-3 US - Minnesota Haz Subs: 3	3)	Can be	absorbed throu absorbed throu	
methanol (CAS 67-56-1) US - Tennessee OELs: Skir)		signation applie	S.
methanol (CAS 67-56-1) US ACGIH Threshold Limit			absorbed throu	gh the skin.
methanol (CAS 67-56-1) n-hexane (CAS 110-54-3	3)	Can be	absorbed throu absorbed throu	
US NIOSH Pocket Guide to		•		
methanol (CAS 67-56-1)			absorbed throu	-
ppropriate engineering ontrols	changes per hour) s applicable, use proc	hould be used. Ven ess enclosures, loc vels below recomm	tilation rates sh al exhaust venti ended exposure	Good general ventilation (typically 10 air ould be matched to conditions. If lation, or other engineering controls to e limits. If exposure limits have not been evel.
dividual protection measures	, such as personal pr	otective equipmen	t	
Eye/face protection	Wear safety glasses	with side shields (c	or goggles).	
Skin protection				
Hand protection	Wear protective glov	ves such as: Nitrile.	Neoprene. Poly	vvinyl chloride (PVC).
Other	Wear appropriate ch	nemical resistant clo	thing. Use of ar	n impervious apron is recommended.
Respiratory protection	NIOSH-approved ca	artridge respirator wi	ith an organic va and for emerge	xceeds the applicable exposure limits, use apor cartridge. Use a self-contained encies. Air monitoring is needed to
	uelennine actual en	ipioyee exposure le	veis.	

9. Physical and chemical properties

-	• •	
Appearance		
Physical state	Liquid.	
Form	Liquid.	
Color	Colorless.	
Odor	Alcoholic.	
Odor threshold	Not available.	
рН	Not available.	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	104.2 °F (40.1 °C) estimated	
Flash point	< 0 °F (< -17.8 °C)	
Evaporation rate	Very fast.	
Flammability (solid, gas)	Not available.	
Upper/lower flammability or exp		
Flammability limit - lower (%)	0.9 % estimated	
Flammability limit - upper (%)	36 % estimated	
Vapor pressure	355.7 hPa estimated	
Vapor density	> 1 (air = 1)	
Relative density	0.74	
Solubility(ies)		
Solubility (water)	Negligible.	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	489.2 °F (254 °C) estimated	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Percent volatile	100 % estimated	
10. Stability and reactivity	,	

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Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
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

Information on toxicological effects

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Fatigue. Nausea, vomiting. Very high exposure can cause suffocation from lack of oxygen. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Asphyxiation may bring about unconsciousness without warning and so rapidly that victim may be unable to protect themself. Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain.

Acute toxicity	May be fatal if swallowed and enters airways.	
Components	Species	Test Results
1,1,1,3,3-pentafluorobutane (CA	S 406-58-6)	
Acute		
Oral		
LD50	Rat	> 2000 mg/kg
2,2,4-trimethylpentane (CAS 540)-84-1)	
Acute		
Inhalation		
LC50	Rat	118 mg/l, 4 Hours
methanol (CAS 67-56-1)		
<u>Acute</u>		
Dermal LD50	Rabbit	12800 mg/kg
	Rabbit	12800 mg/kg
Oral LD50	Rat	5628 mg/kg
naphtha (petroleum), hydrotreate		0020 mg/kg
<u>Acute</u>	a light (CAS 04742-49-0)	
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC50	Rat	61 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
n-hexane (CAS 110-54-3)		
Acute		
Dermal		
LD50	Rabbit	> 1300 mg/kg
Oral		
LD50	Rat	15840 mg/kg
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes eye irritation.	
Respiratory or skin sensitization	on	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensi	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
• •	I Evaluation of Carcinogenicity	
Not listed.		
	ted Substances (29 CFR 1910.1001-1052)	
	rogram (NTP) Report on Carcinogens	
Not listed.	Mou domago fortility or the unbern shild	
Reproductive toxicity	May damage fertility or the unborn child.	

Material name: QD® Contact Cleaner No. 02131 (Item# 1003219) Version #: 02 Revision date: 11-27-2018 Issue date: 07-11-2014

Specific target organ toxicity - single exposure	May cause drowsiness and dizziness.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

cotoxicity	I UNIC IU AQUA	atic life with long lasting effects.	
Product		Species	Test Results
QD® Contact Cleaner			
Aquatic			
Acute			
Crustacea	EC50	Daphnia	1.7295 mg/l, 48 hours estimated
Fish	LC50	Fish	1.5589 mg/l, 96 hours estimated
Components		Species	Test Results
1,1,1,3,3-pentafluorobutane (CAS 406-58-6)		
Aquatic			
Acute			
Algae	EC50	Green algae (Selenastrum capricornutum)	> 114 mg/l, 72 hours
	NOEC	Green algae (Selenastrum capricornutum)	13.2 mg/l, 72 hours
Crustacea	EC50	Water flea (Daphnia magna)	980 mg/l, 48 hours
			> 200 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	> 100 mg/l, 96 hours
		Zebra danio (Danio rerio)	> 200 mg/l, 96 hours
Chronic			
Fish	NOEC	Fathead minnow (Pimephales promelas)	38.2 mg/l, 30 days
methanol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
ersistence and degradability	No data is av	ailable on the degradability of any ingredier	nts in the mixture.
ioaccumulative potential			
Partition coefficient n-octar	ol / water (log	Kow)	
1,1,1,3,3-pentafluorobutane		1.61	
2,2,4-trimethylpentane		5.18	
2-methylpentane		3.74	
methanol		-0.77	
n-hexane Biogeneentration factor (B(3.9	
Bioconcentration factor (BC naphtha (petroleum), hydrotre		10 - 25000	
obility in soil	No data avai	able.	
ther adverse effects		erse environmental effects (e.g. ozone depl locrine disruption, global warming potential)	

	If discarded, this product is considered a RCRA ignitable waste, D001. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT	
UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Isohexane, Pentafluorobutane), MARINE POLLUTANT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ΙΑΤΑ	
UN number	UN1993
UN proper shipping name	Flammable liquid, n.o.s. (Isohexane, Pentafluorobutane)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	I
ERG Code	3H
	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Isohexane, Pentafluorobutane), MARINE POLLUTANT
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

DOT



IATA; IMDG



Marine pollutant



15. Regulatory information

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. SARA 304 Emergency release notification		
\bullet		
Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)		
Not regulated. US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance		
METHANOL (CAS 67-56-1) N-HEXANE (CAS 110-54-3)		
CERCLA Hazardous Substance List (40 CFR 302.4)		
2,2,4-trimethylpentane (CAS 540-84-1) Listed. methanol (CAS 67-56-1) Listed. n-hexane (CAS 110-54-3) Listed. n-pentane (CAS 109-66-0) Listed.		
CERCLA Hazardous Substances: Reportable quantity		
2,2,4-trimethylpentane (CAS 540-84-1)1000 LBSmethanol (CAS 67-56-1)5000 LBSn-hexane (CAS 110-54-3)5000 LBSn-pentane (CAS 109-66-0)100 LBS		
Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.		
Other federal regulations		
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List		
2,2,4-trimethylpentane (CAS 540-84-1) methanol (CAS 67-56-1) n-hexane (CAS 110-54-3)		
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)		
n-pentane (CAS 109-66-0) Safe Drinking Water Act Not regulated.		

Safe Drinking Water Act
(SDWA)Not regulated.Food and Drug
Administration (FDA)Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Classified hazard	Flammable (gases, aerosols, liquids, or solids)
categories	Skin corrosion or irritation
	Serious eye damage or eye irritation
	Reproductive toxicity
	Specific target organ toxicity (single or repeated exposure)
	Aspiration hazard
	Simple asphyxiant
	Hazard not otherwise classified (HNOC)

SARA 302 Extremely hazardous substance

Not listed.

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
methanol	67-56-1	<1
n-hexane	110-54-3	1 - 3

US state regulations

US. New Jersey Worker and Community Right-to-Know Act

2,2,4-trimethylpentane (CAS 540-84-1) 2-methylpentane (CAS 107-83-5) methanol (CAS 67-56-1) naphtha (petroleum), hydrotreated light (CAS 64742-49-0) n-hexane (CAS 110-54-3)

US. Massachusetts RTK - Substance List

2,2,4-trimethylpentane (CAS 540-84-1) 2-methylpentane (CAS 107-83-5) methanol (CAS 67-56-1) naphtha (petroleum), hydrotreated light (CAS 64742-49-0) n-hexane (CAS 110-54-3)

US. Pennsylvania Worker and Community Right-to-Know Law

2,2,4-trimethylpentane (CAS 540-84-1) 2-methylpentane (CAS 107-83-5) methanol (CAS 67-56-1) naphtha (petroleum), hydrotreated light (CAS 64742-49-0) n-hexane (CAS 110-54-3)

US. Rhode Island RTK

2,2,4-trimethylpentane (CAS 540-84-1) methanol (CAS 67-56-1) naphtha (petroleum), hydrotreated light (CAS 64742-49-0) n-hexane (CAS 110-54-3)

California Proposition 65



WARNING: Reproductive Harm - www.P65Warnings.ca.gov

California Proposition 65 - CRT: Listed date/Developmental toxin

Listed: March 16, 2012

California Proposition 65 - CRT: Listed date/Male reproductive toxin

Listed: December 15, 2017

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

2,2,4-trimethylpentane (CAS 540-84-1) methanol (CAS 67-56-1) naphtha (petroleum), hydrotreated light (CAS 64742-49-0) n-hexane (CAS 110-54-3)

Volatile organic compounds (VOC) regulations

methanol (CAS 67-56-1)

n-hexane (CAS 110-54-3)

EPA

VOC content (40 CFR74.9 %51.100(s))Consumer productsConsumer productsNot regulated(40 CFR 59, Subpt. C)Voc regulated

State		
Consumer products	This product is regulated as an Electronic Cleaner. This product is not compliant to be sold for use in California. This product is compliant in all other states. 100 %	
VOC content (CA)		
VOC content (OTC)	74.9 %	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	07-11-2014
Revision date	11-27-2018
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Version #	02
Further information	CRC # 844/1002820
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Revision information	This document has undergone significant changes and should be reviewed in its entirety.