

SAFETY DATA SHEET

1. Identification

Product identifier	Carb & Choke Cleaner			
Other means of identification				
Product code	03077			
Recommended use	Carburetor cleaner			
Recommended restrictions	None known.			
Manufacturer/Importer/Supplier/	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	800-424-9300 (US)			
(CHEMTREC)	703-527-3887 (International)			
Website	www.crcindustries.com			
2. Hazard(s) identification				
Physical hazards	Flammable aerosols	Category 1		
	Gases under pressure	Compressed gas		
Health hazards	Skin corrosion/irritation	Category 2		
	Serious eye damage/eye irritation	Category 2A		
	Specific target organ toxicity, single exposure	Category 3 narcotic effects		
	Aspiration hazard	Category 1		

Environmental hazards

OSHA defined hazards

Label elements



Hazardous to the aquatic environment, acute

Hazardous to the aquatic environment,

Danger

hazard

long-term hazard

Not classified.

Hazard statement

Signal word

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

Category 2

Category 2

Precautionary statement Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not apply while equipment is energized. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. 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 or vapor. Wash thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. Avoid release to the environment.

Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash 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. Collect spillage.
Storage	Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.
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.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
acetone		67-64-1	80 - 90
carbon dioxide		124-38-9	5 - 10
n-heptane		142-82-5	3 - 5
3-methylhexane		589-34-4	1 - 3
2-methylhexane		591-76-4	< 1
3-ethylpentane		617-78-7	< 0.3
3,3-dimethylpentane		562-49-2	< 0.2

Specific chemical identity and/or percentage of composition has been 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. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Remove 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. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may rupture when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. 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.
Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-fighting equipment/instructions	In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.
General fire hazards	Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Remove all possible sources of ignition in the surrounding area. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or 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. 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. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental precautions	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	Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. 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,	Level 3 Aerosol.
including any incompatibilities	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. These alone may be insufficient to remove static electricity. Store in a well-ventilated place. 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	
acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
carbon dioxide (CAS	PEL	9000 mg/m3	
124-38-9)			
		5000 ppm	
n-heptane (CAS 142-82-5)	PEL	2000 mg/m3	
		500 ppm	
US. ACGIH Threshold Limit Values	5		
Components	Туре	Value	
2-methylhexane (CAS 591-76-4)	STEL	500 ppm	
	TWA	400 ppm	
3,3-dimethylpentane (CAS 562-49-2)	STEL	500 ppm	
-	TWA	400 ppm	
3-ethylpentane (CAS 617-78-7)	STEL	500 ppm	

US. ACGIH Threshold Limit Values

Components		Туре	Va	alue
		TWA	40	00 ppm
3-methylhexane (CAS 589-34-4)		STEL	50	00 ppm
		TWA		00 ppm
acetone (CAS 67-64-1)		STEL	50)0 ppm
		TWA		50 ppm
carbon dioxide (CAS 124-38-9)		STEL	30	0000 ppm
		TWA		000 ppm
n-heptane (CAS 142-82-5)	STEL)0 ppm
		TWA	40)0 ppm
US. NIOSH: Pocket Guid	e to Chemical Haz	ards		
Components		Туре	Va	alue
acetone (CAS 67-64-1)		TWA	59	90 mg/m3
			25	50 ppm
carbon dioxide (CAS 124-38-9)		STEL	54	4000 mg/m3
			30	0000 ppm
		TWA		000 mg/m3
				000 ppm
n-heptane (CAS 142-82-5)	Ceiling		300 mg/m3
				10 ppm
		TWA		50 mg/m3
			85	5 ppm
logical limit values				
ACGIH Biological Expos		Determinent	0	
Components	Value	Determinant	Specimen	Sampling Time
acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*
* - For sampling details, pl	ease see the sourc	e document.		
propriate engineering trols	should be ma or other engin	tched to conditions. If ap eering controls to maint is have not been establis	plicable, use pro ain airborne leve	hour) should be used. Ventilation rates ocess enclosures, local exhaust ventilation, ils below recommended exposure limits. If irborne levels to an acceptable level. Provi
vidual protection measur	es, such as perso	nal protective equipme	ent	
	Wear cafety a	lasses with side shields	(or accales)	
Eye/face protection	wear salely g	lasses with side shields	(or goggies).	
Eye/face protection Skin protection	wear salety g		(or goggies).	

Other Wear appropriate chemical resistant clothing.

e uner	
Respiratory protection	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Colorless.
Odor	Solvent.
Odor threshold	Not available.

рН	Not available.
Melting point/freezing point	-138.5 °F (-94.7 °C) estimated
Initial boiling point and boiling range	132.9 °F (56.1 °C) estimated
Flash point	< 0 °F (< -17.8 °C) Tag Closed Cup
Evaporation rate	Fast.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.1 % estimated
Flammability limit - upper (%)	12.8 % estimated
Vapor pressure	5061 hPa estimated
Vapor density	> 2 (air = 1)
Relative density	0.84 estimated
Solubility (water)	Slightly soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	539.6 °F (282 °C) estimated
Decomposition temperature	Not available.
Viscosity (kinematic)	Not available.
Percent volatile	91.4 % estimated
10. Stability and reactivity	/
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	Heat, flames and sparks. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases. Aldehydes. Alkalies. Amines. Ammonia. Halogens. Peroxides.
Hazardous decomposition products	Carbon oxides.
11. Toxicological information	tion

Information on likely routes of exposure

mormation on likely routes of	exposure
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.
Eye contact	Causes serious 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 may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.
Information on toxicological of	facto

Information on toxicological effects

Acute toxicity	May be fatal if swallowed and	May be fatal if swallowed and enters airways.	
Components	Species	Test Results	
3-methylhexane (CAS 589-34-4)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 2000 mg/kg	

acetone (CAS 67-64-1) Acute Dermal LD50 Rabbit 20000 Oral LD50 Rat 5800 r LD50 Rat 5800 r n-heptane (CAS 142-82-5) Acute Dermal Dermal Dermal Dermal State 3000 r * Estimates for product may be based on additional component data not shown. Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye Causes serious eye irritation. Serirritation. Serirritation.<	Results	
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12. Ecological information Ecotoxicity Toxic to aquatic life with long lasting effects.	May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.	
Ecotoxicity Toxic to aquatic life with long lasting effects.	Prolonged inhalation may be harmful.	
Components Species Te		
	st Results	
acetone (CAS 67-64-1)		
Aquatic		

	Aquatic			
	Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
n-ł	neptane (CAS 142-82-5)			
	Aquatic			
	Acute			
	Crustacea	EC50	Water flea (Daphnia magna)	1.5 mg/l, 48 hours
	Fish	LC50	Fathead minnow (Pimephales promelas)	2.1 - 2.98 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential		
Partition coefficient n-o	octanol / water (log Kow)	
acetone	-0.24	
n-heptane	4.66	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. Disposal considerations

Disposal of waste from residues / unused products	This material and its container must be disposed of as hazardous waste. Consult authorities before disposal. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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 F003: Waste Non-halogenated Solvent - Spent Non-halogenated Solvent
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

DO	1	
	UN number	UN1950
	UN proper shipping name	Aerosols, flammable, Limited Quantity
	Transport hazard class(es)	
	Class	2.1
	Subsidiary risk	-
	Label(s)	2.1
	Packing group	Not applicable.
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
	Special provisions	N82
	Packaging exceptions	306
	Packaging non bulk	304
	Packaging bulk	None
IAT		
	UN number	UN1950
	UN proper shipping name	Aerosols, flammable, Limited Quantity
	Transport hazard class(es)	
	Class	2.1
	Subsidiary risk	-
	Packing group	Not applicable.
	ERG Code	10L
	• •	Read safety instructions, SDS and emergency procedures before handling.
	Other information	
	Passenger and cargo	Allowed with restrictions.
	aircraft	
	Cargo aircraft only	Allowed with restrictions.
IME)G	
	UN number	UN1950
	UN proper shipping name	AEROSOLS, Limited Quantity
	Transport hazard class(es)	
	Class	2
	Subsidiary risk	-
	Packing group	Not applicable.
	Environmental hazards	
	Marine pollutant	No.
	EmS	F-D, S-U
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

io. Regulatory information			
US federal regulations	This product is a "Hazardous Standard, 29 CFR 1910.1200	Chemical" as defined by the OSHA Hazard Communication	
TSCA Section 12(b) Export	Notification (40 CFR 707, Sub	pt. D)	
Not regulated.	•		
SARA 304 Emergency relea	ase notification		
OSHA Specifically Regulat	Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
US EPCRA (SARA Title III)	Not regulated. US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance		
Not listed. CERCLA Hazardous Subst	ance List (40 CER 302 4)		
3,3-dimethylpentane (C/	· · · ·	Listed.	
acetone (CAS 67-64-1)		Listed.	
CERCLA Hazardous Subst	ances: Reportable quantity		
3,3-dimethylpentane (C/ acetone (CAS 67-64-1)	AS 562-49-2)	100 LBS 5000 LBS	
	ng in the loss of any ingredient a 424-8802) and to your Local Eme	t or above its RQ require immediate notification to the National ergency Planning Committee.	
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Pollutant	s (HAPs) List	
Not regulated. Clean Air Act (CAA) Sectio	n 112(r) Accidental Release Pr	revention (40 CFR 68.130)	
Not regulated.			
Safe Drinking Water Act (SDWA)	Not regulated.		
Drug Enforcement Adminis Code Number	stration (DEA). List 2, Essentia	I Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical	
acetone (CAS 67-64-1) Drug Enforcement Adminis	stration (DEA). List 1 & 2 Exem	6532 pt Chemical Mixtures (21 CFR 1310.12(c))	
acetone (CAS 67-64-1)		35 %WV	
DEA Exempt Chemical Mix	tures Code Number		
acetone (CAS 67-64-1)	Pagnirotony Haalth and Safaty	6532 r in the Flavor Manufacturing Workplace	
acetone (CAS 67-64-1)	Respiratory nearth and Salety	Low priority	
Food and Drug	Not regulated.	Low phoney	
Administration (FDA)	-		
	nd Reauthorization Act of 1986	δ (SARA)	
Section 311/312 Hazard categories	Immediate Hazard - Yes Delayed Hazard - No		
nuzura categories	Fire Hazard - Yes		
	Pressure Hazard - Yes Reactivity Hazard - No		
SARA 302 Extremely	No		
hazardous substance			
US state regulations			
US. California. Candidate ((a))	Chemicals List. Safer Consume	er Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.	
acetone (CAS 67-64-1)			
3-methylhexane (CAS 5	d Community Right-to-Know A	ACT	
acetone (CAS 67-64-1)	89-34-4)		
carbon dioxide (CAS 12	4-38-9)		
n-heptane (CAS 142-82			
US. Massachusetts RTK - S			
2-methylhexane (CAS 5 3-methylhexane (CAS 5			
acetone (CAS 67-64-1)			
carbon dioxide (CAS 12	4-38-9)		

n-heptane ((CAS 142-82-5)
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US. Pennsylvania Worker and Community Right-to-Know Law

3,3-dimethylpentane (CAS 562-49-2) 3-methylhexane (CAS 589-34-4) acetone (CAS 67-64-1) carbon dioxide (CAS 124-38-9) n-heptane (CAS 142-82-5)

US. Rhode Island RTK

acetone (CAS 67-64-1) carbon dioxide (CAS 124-38-9) n-heptane (CAS 142-82-5)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

US - California Proposi	tion 65 - CRT: Listed date/Carcinogenic substance	
acetaldehyde (CAS		
benzene (CAS 71-43	· · · · · ·	
cumene (CAS 98-82		
ethylbenzene (CAS		
naphthalene (CAS 9		
•	tion 65 - CRT: Listed date/Developmental toxin	
benzene (CAS 71-43		
toluene (CAS 108-88		
-	tion 65 - CRT: Listed date/Male reproductive toxin	
benzene (CAS 71-43	3-2) Listed: December 26, 1997	
Volatile organic compounds (VC	DC) regulations	
EPA		
VOC content (40 CFR 51.100(s))	9.2 %	
Consumer products (40 CFR 59, Subpt. C)	Compliant	
State		
Consumer products	This product is regulated as a Carburetor Cleaner. This product states.	ct is compliant for use in all 50
VOC content (CA)	9.2 %	
VOC content (OTC)	9.2 %	
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
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)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Vee" indicates that all some	a set a fitis sea durat a second constant de since stance se suis seconda a desinista e	

*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

02-28-2014

Revision date	06-13-2017
Prepared by	Allison Yoon
Version #	03
Further information	CRC # 920B
HMIS® ratings	Health: 2 Flammability: 4 Physical hazard: 0 Personal protection: B
NFPA ratings	Health: 2 Flammability: 4 Instability: 0
NFPA ratings	
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Revision Information	This document has undergone significant changes and should be reviewed in its entirety.