



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: Smoke-In-A-Can

Product Number (s): SM-200 (CRC Part #09637)

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Packaged product is a clear, water-white liquid; dispensed product is a smoky mist; alcohol odor

DANGER:

Extremely Flammable. Contents Under Pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Potential Health Effects:

EYE: Liquid contact can cause severe irritation, redness, tearing, blurred vision and possible freeze burns. The effects of eye contact with the spray mist are likely to be less severe.

SKIN: Contact with evaporating liquid can cause frostbite. Contact with spray mist is not likely to produce health effects.

INHALATION: Inhalation of vapor may produce anesthetic effects, irritation of nose and throat, and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, central nervous system depression, unconsciousness or death from asphyxiation, depending on concentration and duration of exposure.

INGESTION: May cause gastrointestinal irritation, including nausea and vomiting. Ingestion of ethanol can cause drunkenness and central nervous system depression.

CHRONIC EFFECTS: Ethanol is a developmental toxin and various effects have been associated with ethanol abuse, including physical dependence, cardiac myopathy, amnesia, and hepatotoxicity.

TARGET ORGANS: liver

Medical Conditions Aggravated by Exposure: pre-existing liver or nervous system conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Ethanol	64-17-5	25 – 35
1,2,3-Propanetriol	56-81-5	2 – 5
Liquefied petroleum gas	68476-86-8	65 - 75

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: Do not induce vomiting. If victim is completely conscious and alert, have them drink water. Contact a physician for further treatment.

Note to Physicians: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5: Fire-Fighting Measures

Flammable Properties: This product is extremely flammable in accordance with aerosol flammability definitions (16 CFR 1500.3(c)(6)). Use with caution around energized equipment.

Flash Point:	56 F (TCC)	Upper Explosive Limit:	19.0
Autoignition Temperature:	685.4 F	Lower Explosive Limit:	1.9

Suitable Extinguishing Media: Use Class B extinguishing agents such as dry chemical, CO2, water spray or alcohol-resistant foam.

Products of Combustion: oxides of carbon, volatile hydrocarbon vapors

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Eliminate all sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Use caution around energized equipment. Do not use this product near sources of ignition. Liquid contents are flammable. Dispensed mist can create flammable atmosphere. Use in ventilated areas only. Avoid inhaling vapors.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing. Store out of reach of children.

Aerosol Storage Level: III

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Ethanol	1000	NE	1000	NE	NE		ppm
1,2,3-Propanetriol	15	NE	10	NE	NE		mg/m ³
Liquefied petroleum gas	1000	NE	1000	NE	NE		ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a NIOSH-approved cartridge respirator with an organic vapor cartridge if vapors exceed exposure limits. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as rubber, neoprene or vinyl. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid (dispensed product is a mist)
Color: colorless (dispensed product has smoky haze)
Odor: alcohol

Specific Gravity: 0.817
Initial Boiling Point: 173 F
Freezing Point: -227.2 F
Vapor Pressure: ~ 44.6 mmHg @ 68 F
Vapor Density: > 1 (air = 1)
Evaporation Rate: > 1 (ether = 1)
Solubility: complete
pH: NA
Volatile Organic Compounds: wt %: 97.5 g/L: 796.6 lbs./gal: 6.64

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: excessive heat, sparks, open flame or other sources of ignition

Incompatible Materials: acetyl chloride, or other strong oxidizing agents or strong acids

Hazardous Decomposition Products: oxides of carbon; thermal decomposition may release acrolein

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Ethanol	LC50	124.7 mg/L/4H	Inhalation	Rat
Ethanol	LD50	1501 mg/kg	Oral	Rat

CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No information available

Other: Ethanol developmental toxin

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: Ethanol - 48 Hr EC50 Daphnia magna: 9268 mg/L
5 min EC50 Photobacterium phosphoreum: 35470 mg/L

Persistence / Degradability: Ethanol and 1,2,3-propanetriol are expected to be biodegradable.
Bioaccumulation / Accumulation: Ethanol is not expected to bioaccumulate.
Mobility in Environment: No information available.

Section 13: Disposal Considerations

Disposal: Any liquid product would be a RCRA hazardous waste for the characteristic of ignitability with a waste code of D001 (See 40 CFR Part 261.20 – 261.33)
Empty containers may be recycled.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

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.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	Yes
Reactive Hazard	No
Release of Pressure	Yes
Acute Health Hazard	Yes
Chronic Health Hazard	Yes

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: NONE

State Right to Know:

New Jersey: 64-17-5
Pennsylvania: 56-81-5, 64-17-5
Massachusetts: 56-81-5, 64-17-5
Rhode Island : 56-81-5, 64-17-5

Additional Regulatory Information: None

Section 16: Other Information

NFPA: Health: 1 Flammability: 4 Reactivity: 0
HMIS: Health: 1 Flammability: 4 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick
CRC #: 418
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Changes since last revision: Section 2: Revised warnings
Section 5: Revised flammable properties

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		