Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: **All-Purpose Enamel Spray Paint: Swift Red**

Product Number (s): **18000**

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: Red liquid, ketone odor

DANGER
Extremely Flammable. Harmful or Fatal if Swallowed. Vapor Harmful.
Eye and Skin Irritant. Contents Under Pressure.

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

Potential Health Effects:

EYE:	Eye irritant. May cause irritation.
SKIN:	Skin irritant. May cause irritation. Frequent exposure to solvents may cause defatting dermatitis.
INHALATION:	Inhalation of solvents may cause irritation, dizziness, and nausea. Propellant is a simple asphyxiant.
INGESTION:	May cause headache, nausea, vomiting and weakness.
CHRONIC EFFECTS:	Defatting dermatitis to skin.
TARGET ORGANS:	Unknown

Medical Conditions Aggravated by Exposure:

Unknown

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

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Acetone	67-64-1	15 - 40
Xylene	1330-20-7	7 - 13
Ethylbenzene	100-41-4	1 – 5
Propylene glycol methyl ether acetate	108-65-6	1 – 5
Mineral spirits	64742-47-8	1 – 5
VM&P naphtha	64742-89-8	1 - 5
Methyl ethyl ketone	78-93-3	3 - 7
Isobutane	75-28-5	5 – 10
Propane	74-98-6	10 - 30

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. Get medical attention.

Note to Physicians: Aspiration hazard. Treat symptomatically.

Section 5: Fire-Fighting Measures

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

Flash Point:	0 F (TCC)	Upper Explosive Limit:	15.1
Autoignition Temperature:	> 500 F	Lower Explosive Limit:	1.0

Suitable Extinguishing Media: Water, carbon dioxide, dry chemical, foam.

Products of Combustion: Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

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: Remove 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: Do not use on energized equipment or near sources of ignition. Do not inhale vapors. Use local ventilation.

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.

Aerosol Storage Level: II

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

	OSHA		ACGIH		OTHER		
COMPONENT	TWA	STEL	TWA	STEL	TWA	SOURCE	UNIT
Acetone	1000	NE	500	750	NE		ppm
Xylene	100	150 (v)	100	150	NE		ppm
Ethylbenzene	100	125 (v)	100	125	NE		ppm
Propylene glycol methyl ether acetate	NE	NE	NE	NE	50	AIHA	ppm
Mineral spirits	500	NE	100	NE	NE		ppm
VM&P naphtha	300 (v)	NE	300	NE	NE		ppm
Methyl ethyl ketone	200	300(v)	200	300	NE		ppm
Isobutane	1000	NE	1000	NE	NE		ppm
Propane	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. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. 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. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor / paint cartridge. 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 neoprene or nitrile. 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
Color: red
Odor: ketone
Specific Gravity: 0.73 – 0.77
Initial Boiling Point: 135 F
Freezing Point: NE
Vapor Pressure: 55 – 65 psig @ 68 F
Vapor Density: > 1 (air = 1)
Evaporation Rate: > 1 (butyl acetate = 1)
Solubility: NE
pH: NA
Volatile Organic Compounds: wt %: 45 g/L: ~ 338 lbs./gal: ~ 2.81

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Sources of ignition. Temperature extremes.

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

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

Component	Test	Result	Route	Species
Acetone	LD50	> 9750 mg/kg	Oral	Rat
Mineral spirits	LC50	1400 ppm/4H	Inhalation	Rat
Methyl ethyl ketone	LD50	3400 mg/kg	Oral	Rat

CHRONIC EFFECTS

Carcinogenicity:

	Component	Result
OSHA:	Ethylbenzene	Hazard communication carcinogen
IARC:	Ethylbenzene	2B: Possibly carcinogenic to humans
NTP:	None listed	

Other: None

Section 12: Ecological Information

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

Ecotoxicity:	No information available
Persistence / Degradability:	No information available
Bioaccumulation / Accumulation:	No information available
Mobility in Environment:	No information available

Section 13: Disposal Considerations

Disposal: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitability with the following potential waste codes: D001 (See 40 CFR Part 261.20 – 261.33)
Aerosol containers should be fully emptied and depressurized before disposal. The empty container can 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: Acetone (5000 lbs), Xylene (100 lbs), Ethylbenzene (1000 lbs), Methyl ethyl ketone (5000 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.

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:
Ethylbenzene (<5%), Xylene (<13%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): Xylene, Ethylbenzene

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: Ethylbenzene

State Right to Know:

New Jersey:	67-64-1, 1330-20-7, 100-41-4, 78-93-3
Pennsylvania:	67-64-1, 1330-20-7, 100-41-4, 78-93-3
Massachusetts:	67-64-1, 1330-20-7, 100-41-4, 78-93-3
Rhode Island :	67-64-1, 1330-20-7, 100-41-4, 78-93-3

Additional Regulatory Information: This product complies with Aerosol Coating VOC regulations for non-flat paints. (MIR = 1.4)

Section 16: Other Information

NFPA:	Health:	2	Flammability:	4	Reactivity:	1		
HMIS:	Health:	2	Flammability:	4	Reactivity:	1	PPE:	B

Prepared By: Michelle Rudnick
CRC #: 03392-18000
Revision Date: 5/24/2007

Changes since last revision: MSDS reformatted in accordance with ANSI Z400.1-2004

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	AIHA:	American Industrial Hygiene Assoc.
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		