

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Marking Paints

Product Number (s): 18200(Safety Red), 18201 (Caution Yellow), 18204(Alert Orange), 18206 (White), 18207 (Red Fluorescent)

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Calcium Carbonate	1317-65-3	10 mg/m ³	15 mg/m ³	10 mg/m ³	5-10
Toluene	108-88-3	50 ppm	200 ppm	100 ppm	1-5
Xylene	1330-20-7	100 ppm	100 ppm	100 ppm	3-7
Propane	74-98-6	NE	1000 ppm	1000 ppm	10-30
Ethylbenzene	100-41-4	100 ppm	100 ppm	100 ppm	1-5
Isobutane	75-28-5	NE	NE	800 ppm	5-10
VM&P Naphtha	64742-89-8	300 ppm	NE	350 mg/m ³	1-5
Heptane	142-82-5	400 ppm	500 ppm	85 ppm	10-30
Acetone	67-64-1	500 ppm	1000 ppm	250 ppm	3-7
2-Ethoxyethyl acetate	111-15-9	5 ppm	100 ppm	0.5 ppm	1-5

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Aromatic odor.

Danger: Extremely Flammable. Eye and skin irritant. Harmful or fatal if swallowed. Vapor Harmful. Contents under pressure.

Potential Health Effects:

Inhalation: Nasal and respiratory irritation, dizziness, fatigue, headaches, unconsciousness and asphyxiation.
Eyes: Irritation, tearing and blurred vision.
Skin: Irritation and redness.
Ingestion: GI irritation, nausea and vomiting.

Carcinogenicity: OSHA: No IARC: Yes NTP: No
Chronic Overexposure: Reports have associated repeated and prolonged exposure to solvents with brain and central nervous system damage.
Medical Conditions Aggravated by Exposure: Respiratory and skin conditions may be aggravated.

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Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Flashpoint: 39°F/ >4°C (Concentrate) Method: TCC LEL: 0.9 UEL: 12.8

Extinguishing Media: CO₂, alcohol foam and dry chemical

Hazardous Combustion Products: Thermal: CO, CO₂, NOX and various hydrocarbons.

Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

NFPA:	Health:	2	Flammability:	4	Reactivity:	0	
HMIS:	Health:	2	Flammability:	4	Reactivity:	0	PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Use in a well-ventilated area.

Storage Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding. Keep out of reach of children!

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide local ventilation adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

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Section 9: Physical & Chemical Properties

Physical State:	Liquid	Appearance & Odor:	Aromatic odor
Specific Gravity:	.990	Boiling Point:	198-302°F (92-150°C)
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	>1(n-Butyl Acetate)	Vapor Density (air = 1)	Heavier than air
pH:	NA	Solubility:	Negligible
Volatile Organic Compounds %:	75-80	g/L: ND	lbs./gal: ND

Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers.		
Conditions to Avoid:	Temperature extremes.		
Hazardous Decomposition Products:	None		

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity:	No data available.
Environmental Fate:	No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name:	Consumer Commodity		
Hazard Class:	ORM-D	UN Number: NA	Packing Group: NA
Label:	NA	Placard: NA	
Special Provisions:	NA		

Section 15: Regulatory Information

TSCA:	All components are either listed under TSCA or are exempt.
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SARA Title III:	Section 311/312:	Acute, Pressure
	Section 313*:	Xylene, Ethylbenzene, Toluene
CERCLA/Superfund (RQ):		Mixture
Extremely Hazardous Substances:		No
California Prop 65:		This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

* See section 2 for percentage

Section 16: Additional Information

Prepared By:	Michelle Rudnick	Date:	August 17, 2005
Technical Information:	(800) 521-3168	CRC #:	18200

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
LEL:	Lower Explosive Limit	g/L:	grams per Liter
UEL:	Upper Explosive Limit	lbs./gal:	pounds per gallon
PPE:	Personal Protection Equipment	RQ:	Reportable Quantity
COC:	Cleveland Closed Cup		