



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: Rubberized Spray Undercoating

Product Number (s): 05347

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: Black opaque liquid with a solvent odor.

DANGER

Extremely Flammable. Vapor Harmful. Harmful or Fatal if Swallowed. Contents Under Pressure.

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

Potential Health Effects:

- EYE:** Direct spray or vapors will irritate and may harm eyes.
- SKIN:** Product may cause irritation and defatting of the skin.
- INHALATION:** High concentrations of vapors may irritate the nose and throat and cause symptoms of intoxication such as dizziness, nausea or headache.
- INGESTION:** Harmful or fatal if swallowed. May cause moderate irritation to the digestive tract.
- CHRONIC EFFECTS:** Skin absorption may cause liver, kidney and central nervous system damage.
- TARGET ORGANS:** Liver, kidney and central nervous system

Medical Conditions Aggravated by Exposure:

None known

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

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Toluene	108-88-3	10 – 30
Acetone	67-64-1	10 – 30
Propane	74-98-6	10 – 30
Asphalt, oxidized	64742-93-4	7 – 13
Calcium carbonate	1317-65-3	3 – 7
Stoddard Solvent	8052-41-3	5 – 10
Heptanes	142-82-5	1 – 5
Carbon black	1333-86-4	0.1 – 1.0

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. Seek immediate medical attention. If vomiting should occur, keep head below hips to prevent aspiration into the lungs.

Note to Physicians: 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: < 20°F (TCC) Upper Explosive Limit: ND
 Autoignition Temperature: ND Lower Explosive Limit: ND

Suitable Extinguishing Media: Foam, alcohol foam, water, fog, dry chemical (B-C), carbon dioxide

Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, and miscellaneous hydrocarbons

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: Keep out of reach of children. Read label cautions carefully. Follow the directions to avoid injury. Deliberately concentrating and inhaling the contents may be harmful. Use with adequate ventilation. Avoid all ignition sources. Use non-sparking tools and explosion proof equipment when handling this material. Avoid hot surfaces. Keep away from excessive heat and open flames. Follow all MSDS precautions even after container is emptied because they may retain product residue.

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:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Toluene	200	300 (c)	20	NE	NE		ppm
Acetone	1000	NE	500	750	NE		ppm
Propane	1000	NE	1000	NE	NE		ppm
Asphalt, oxidized	NE	NE	NE	NE	NE		
Calcium carbonate	5	NE	10	NE	NE		mg/m ³
Stoddard solvent	100 (v)	NE	100	NE	NE		ppm
Heptanes	400 (v)	500 (v)	400	500	NE		ppm
Carbon black	3.5	NE	3.5	NE	NE		mg/m ³
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 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 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: Opaque black
 Odor: Solvent odor
 Specific Gravity: 0.85 – 0.90
 Initial Boiling Point: ND
 Freezing Point: ND
 Vapor Pressure: ND
 Vapor Density: ND (air = 1)
 Evaporation Rate: ND (ether = 1)
 Solubility: Partially miscible
 pH: NA
 Volatile Organic Compounds: wt %: 38.2 g/L: 343.8 lbs./gal: 2.86

Section 10: Stability and Reactivity

Stability: Stable
 Conditions to Avoid: Do not use near fire, sparks or flame.
 Incompatible Materials: Strong acids, strong bases and strong oxidizing agents
 Hazardous Decomposition Products: Oxides of carbon and sulfur and miscellaneous hydrocarbons.
 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>
Toluene	LD50	14,100 µL/kg	Dermal	Rabbit
Toluene	LC50	49 mg/m ³ /4H	Inhalation	Rat
Toluene	LD50	636 mg/kg	Oral	Rat
Acetone	LD50	5800 mg/kg	Oral	Rat
Acetone	LC50	16,000 ppm/4H	Inhalation	Rat
Acetone	LD50	20,000 mg/kg	Dermal	Rabbit

CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	Carbon black	Group 2B: Possibly carcinogenic to humans

NTP: None listed

Mutagenicity: No information available

Section 12: Ecological Information

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

Ecotoxicity: Acetone – 48H LC50 Daphnia: 10 mg/l
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 a waste code of D001. (See 40 CFR Part 261.20 – 261.33)
Aerosol containers should be fully emptied and depressurized before disposal. 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: Toluene (1000 lbs), Acetone (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:
Toluene (< 30%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): Toluene

Consumer Product Safety Act General Conformity Certification: This product was evaluated by CRC Industries, Inc., and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location listed in Section 1 of this MSDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above

State RegulationsCalifornia 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: Toluene, Carbon black

State Right to Know:

New Jersey: 1317-65-3, 74-98-6, 108-88-3, 67-64-1, 142-82-5, 1333-86-4
 Pennsylvania: 1317-65-3, 74-98-6, 108-88-3, 67-64-1, 142-82-5, 1333-86-4
 Massachusetts: 1317-65-3, 74-98-6, 108-88-3, 67-64-1, 142-82-5, 1333-86-4
 Rhode Island: 1317-65-3, 74-98-6, 108-88-3, 67-64-1, 142-82-5, 1333-86-4

Additional Regulatory Information: In states with consumer products VOC regulations, this product is compliant as an Aerosol Undercoating (40% VOC limit).

Section 16: Other Information

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

Prepared By: Michelle Rudnick
 CRC #: 05347
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Changes since last revision: Section 7: Aerosol Storage Level revised

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		