



1. Product and company identification

Product name	Sikagard-510
Supplier	Sika Corporation Polito Avenue 201 Lyndhurst, NJ 07071
Telephone	(201) 933-8800
Telefax	(201) 804-1076
Emergency telephone	CHEMTREC: 800-424-9300
e-mail address of person responsible for this SDS	INTERNATIONAL: 703-527-3887 ehs@sika-corp.com
Chemical family	Rubber based primer

2. Hazards identification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Potential Health Effects

Inhalation	Harmful if inhaled. Causes headache, drowsiness or other effects to the central nervous system.
Skin	Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage.
Warning	Causes central nervous system depression

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

<u>Component</u>	<u>CAS Number</u>
acetone	67-64-1
Solvent naphtha (petroleum), light aliph.	64742-89-8
Toluene	108-88-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First aid procedures



Inhalation	If inhaled, remove to fresh air. If breathing is difficult, trained personnel should give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.
Skin contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately if irritation develops and persists.
Eye contact	If easy to do, remove contact lens, if worn. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion	If swallowed, contact a poison control center or physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Notes to physician

Treatment	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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5. Fire-fighting measures

Fire fighting

Suitable extinguishing media	Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	Water
Further information	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Protective equipment and precautions for firefighters

Specific hazards during fire fighting	Highly flammable. Do not use a solid water stream as it may scatter and spread fire. Risk of a subsequent explosion. In a fire or if heated, a pressure increase will occur and the container may burst. Cool closed containers exposed to fire with water spray.
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



6. Accidental release measures

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. No action shall be taken involving any personal risk without suitable training. Keep people away from and upwind of spill/leak. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Material can create slippery conditions.
Environmental precautions	Local authorities should be advised if significant spillages cannot be contained. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for containment and cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. For large spills, use water spray to disperse vapors, flush spill area.

7. Handling and storage

Handling	For personal protection see section 8. Avoid inhalation, ingestion and contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Use explosion-proof equipment. No sparking tools should be used. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Ensure all equipment is electrically grounded before beginning transfer operations. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage	Vapors are heavier than air and may spread along floors. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep product and empty container away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. To maintain product quality, do not store in heat or direct sunlight. Store in accordance with local regulations.



8. Exposure controls/personal protection

Exposure limit(s)

<u>Component</u>	<u>CAS Number</u>	<u>Content %</u>	<u>Basis *</u>	<u>Value</u>	<u>Exposure limit(s) / Form of exposure</u>
acetone	67-64-1	30 - 60	ACGIH	TWA	500 ppm
			ACGIH	STEL	750 ppm
		30 - 60	OSHA P1	TWA	1,000 ppm 2,400 mg/m3
			OSHA P0	TWA	750 ppm 1,800 mg/m3
			OSHA P0	STEL	1,000 ppm 2,400 mg/m3
Toluene	108-88-3	10 - 30	ACGIH	TWA	20 ppm
			OSHA Z2	TWA	200 ppm
		10 - 30	OSHA Z2	CEIL	300 ppm
			OSHA Z2	Peak	500 ppm
			OSHA P0	TWA	100 ppm 375 mg/m3
		10 - 30	OSHA P0	STEL	150 ppm 560 mg/m3

* **Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

Engineering measures

Use explosion-proof equipment.

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.



Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Hygiene measures	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove respiratory and skin/eye protection only after vapors have been cleared from the area. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

9. Physical and chemical properties

Appearance

Physical state	liquid
Color	white
Odor	characteristic

Safety data

Flash point	41 °F (5 °C)
Lower explosion limit	12 %(V)
Upper explosion limit	1.1 %(V)
pH	Note: not applicable
Boiling point	133.7 °F (56.5 °C)
Density	0.804 g/cm ³
Evaporation rate	11.6
Volatile organic compounds (VOC) content	341 g/l

10. Stability and reactivity

Stability	Stable under normal conditions.
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Conditions to avoid	Extremes of temperature and direct sunlight. Do not allow vapor to accumulate in low or confined areas. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Avoid all possible sources of ignition (spark or flame).
Materials to avoid	oxidizing materials
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Chronic Exposure	Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.
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Carcinogenicity

not applicable

IARC	not applicable
OSHA	not applicable
NTP	not applicable
ACGIH	not applicable

12. Ecological information

Other information	Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
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Component:

acetone	67-64-1	<u>Toxicity to fish:</u> LC50 Species: Fish Dose: > 5,000 mg/l <u>Toxicity to daphnia and other aquatic invertebrates.:</u> EC50 Species: Daphnia Dose: 12.700 mg/l <u>Toxicity to algae:</u> EC50 Species: Pseudokirchneriella subcapitata (green algae) Dose: > 530 mg/l
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13. Disposal considerations

Waste disposal methods	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority
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requirements.

Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

UN number	1263
Description of the goods	Paint related material
Class	3
Packing group	II
Labels	3
Emergency Response	128
Guidebook Number	

IATA

UN number	1263
Description of the goods	Paint related material
Class	3
Packing group	II
Labels	3
Packing instruction (cargo aircraft)	364
Packing instruction (passenger aircraft)	353
Packing instruction (passenger aircraft)	Y341

IMDG

UN number	1263
Description of the goods	PAINT RELATED MATERIAL
Class	3
Packing group	II
Labels	3
EmS Number 1	F-E
EmS Number 2	S-E

Marine pollutant no

DOT: For Limited Quantity exceptions reference 49 CFR 173.150 (b)

IATA: For Limited Quantity provisions reference IATA DGR Section 2.7 and other applicable sections.

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

15. Regulatory information

Federal Regulations

TSCA Status	On TSCA Inventory
SARA 311/312 Hazards	Fire Hazard Acute Health Hazard

EPCRA - Emergency Planning Community Right - To - Know

SARA 302 Ingredients	not applicable		
SARA 313 Ingredients	Toluene	108-88-3	20 %



Clean Air Act

Ozone-Depletion Potential

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Toluene 108-88-3 20 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

State Regulations

**California Prop. 65
Ingredients**

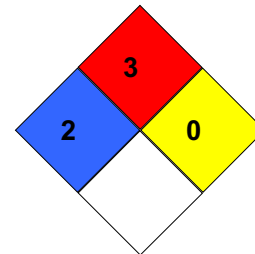
WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

16. Other information

HMIS Classification

Health	*	2
Flammability		3
Physical Hazard		0
Personal Protection		H

NFPA Classification



Caution: HMIS[®] ratings and NFPA ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS[®] and NFPA ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS[®] and NFPA ratings are to be used with a fully implemented HMIS[®] and NFPA program. HMIS[®] is a registered mark of the National Paint & Coatings Association (NPCA). NFPA or the National Fire Protection Association is a private non-profit organization and an authoritative source of technical background, data, and consumer advice on fire protection, problems and prevention. Please note HMIS[®] attempts to convey full health warning information to all employees while NFPA is meant primarily for fire fighters and other emergency responders.

Notes to Reader

The information contained in this Material Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current



Material Safety Data Sheet

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Technical Data Sheet, product label and Material Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this MSDS.

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