Safety Data Sheet
Sika® Primer-207

SECTION 1. IDENTIFICATION

Product name : Sika® Primer-207
Company name : Sika Corporation
                201 Polito Avenue
                Lyndhurst, NJ 07071
                USA
                www.sikausa.com
Telephone      : (201) 933-8800
Telefax        : (201) 804-1076
E-mail address : ehs@sika-corp.com
Emergency telephone : CHEMTREC: 800-424-9300
                       INTERNATIONAL: +1-703-527-3887
Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

- Flammable liquids : Category 2
- Eye irritation : Category 2A
- Respiratory sensitization : Category 1
- Skin sensitization : Category 1
- Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS label elements

Hazard pictograms :

- Flammable liquid
- Eye irritation
- Alert symbol

Signal Word : Danger

Hazard Statements :
- H225 Highly flammable liquid and vapor.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing diffi-

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Precautionary Statements

Prevention:
P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 Wear respiratory protection.

Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labeling
There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.
Other hazards
Intentional misuse by deliberate concentration and inhalation of vapor may be harmful or fatal.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<table>
<thead>
<tr>
<th>Components</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate</td>
<td>141-78-6</td>
</tr>
<tr>
<td>flam. liq.; h225; eye irrit. 2A; h319; stot se 3; h336</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>butanone</td>
<td>78-93-3</td>
</tr>
<tr>
<td>flam. liq.; h225; eye irrit. 2A; h319; stot se 3; h336</td>
<td>&gt;= 30 - &lt; 50</td>
</tr>
<tr>
<td>aromatic polyisocyanate</td>
<td>53317-61-6</td>
</tr>
<tr>
<td>eye irrit. 2A; h319; skin sens. 1; h317</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>tris(p-isocyanatophenyl) thiophosphate</td>
<td>4151-51-3</td>
</tr>
<tr>
<td>acute tox. 4; h302</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>tris(3-(trimethoxysilyl)propyl)isocyanurate</td>
<td>26115-70-8</td>
</tr>
<tr>
<td>acute tox. 4; h302</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>4,4’-methylene diphenyl diisocyanate</td>
<td>101-68-8</td>
</tr>
<tr>
<td>acute tox. 4; h332; skin irrit. 2; h315; eye irrit. 2A; h319; resp. sens. 1; h334; skin sens. 1; h317; stot se 3; h335; stot re 2; h373</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
</tbody>
</table>

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice
Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.

If inhaled
Move to fresh air.
Consult a physician after significant exposure.

In case of skin contact
Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed
Clean mouth with water and drink afterwards plenty of water.
Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed:
- Irritant effects
- Sensitizing effects
- Asthmatic appearance
- Respiratory disorder
- Allergic reactions
- Excessive lachrymation
- Loss of balance
- Vertigo
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause drowsiness or dizziness.

Notes to physician: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
- Alcohol-resistant foam
- Carbon dioxide (CO2)
- Dry chemical

Unsuitable extinguishing media:
- Water
- High volume water jet

Specific hazards during firefighting:
- Do not use a solid water stream as it may scatter and spread fire.

Further information:
- Use water spray to cool unopened containers.
- 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.

Special protective equipment for fire-fighters:
- In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
- Use personal protective equipment.
- Remove all sources of ignition.
- Deny access to unprotected persons.
- Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:
- Prevent product from entering drains.
- If the product contaminates rivers and lakes or drains inform
respective authorities. 
Local authorities should be advised if significant spillages 
cannot be contained.

Methods and materials for 
containment and cleaning up: Contain spillage, and then collect with non-combustible ab-
sorbent material, (e.g. sand, earth, diatomaceous earth, ver-
miculite) and place in container for disposal according to local 
/ national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against 
fire and explosion: Use explosion-proof equipment. 
Keep away from heat/ sparks/ open flames/ hot surfaces. No 
smoking. 
Take precautionary measures against electrostatic discharg-
es.

Advice on safe handling: Avoid formation of aerosol. 
Do not breathe vapors or spray mist. 
Avoid exceeding the given occupational exposure limits (see 
section 8). 
Do not get in eyes, on skin, or on clothing. 
For personal protection see section 8. 
Persons with a history of skin sensitization problems or asth-
ma, allergies, chronic or recurrent respiratory disease should 
not be employed in any process in which this mixture is being 
used. 
Smoking, eating and drinking should be prohibited in the ap-
lication area. 
Take precautionary measures against static discharge. 
Open drum carefully as content may be under pressure. 
Take necessary action to avoid static electricity discharge 
(which might cause ignition of organic vapors). 
Follow standard hygiene measures when handling chemical 
products.

Conditions for safe storage: Store in original container. 
Store in cool place. 
Keep in a well-ventilated place. 
Containers which are opened must be carefully resealed and 
kept upright to prevent leakage. 
Observe label precautions. 
Store in accordance with local regulations.

Materials to avoid: Explosives 
Oxidizing agents 
Poisonous gases 
Poisonous liquids

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters
The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Engineering measures**: 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**

**Respiratory protection**: Use a properly fitted NIOSH approved 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.

**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.

**Eye protection**: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures : Avoid contact with skin, eyes and clothing. 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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Color : black
Odor : solvent
Odor Threshold : No data available
pH : Not applicable substance/mixture is non-soluble (in water)
Melting point/range / Freezing point : No data available
Boiling point/boiling range : > 158 °F / 70 °C
Flash point : 25 °F / -4 °C (Method: closed cup)
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit / Upper flammability limit : 11.5 % (V)
Lower explosion limit / Lower flammability limit : 1.8 % (V)
Vapor pressure : 99.9915 hpa
Relative vapor density : No data available
Density : ca. 0.97 g/cm^3 (68 °F / 20 °C)
Solubility(ies)
   Water solubility : insoluble
   Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : 427 °C
Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : ca. 15 mPa.s (68 °F / 20 °C)
Viscosity, kinematic : < 20.5 mm2/s (104 °F / 40 °C)

Explosive properties : No data available
Oxidizing properties : No data available
Volatile organic compounds (VOC) content : 657.5 g/l

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : The product is chemically stable.
Possibility of hazardous reactions : Stable under recommended storage conditions. Vapors may form explosive mixture with air.
Conditions to avoid : Heat, flames and sparks. Avoid moisture.
Incompatible materials : Strong acids and oxidizing agents
Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Components:
ethyl acetate:
Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg
Acute inhalation toxicity : LC50 (Rat): ca. 1,600 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

butanone:
Acute oral toxicity: LD50 Oral (Rat): 3,300 mg/kg

Acute inhalation toxicity: LC50 (Rat): 36 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity: LD50 Dermal (Rabbit): > 5,000 mg/kg

**aromatic polyisocyanate:**

Acute oral toxicity: LD50 Oral (Rat): > 5,000 mg/kg

**tris(p-isocyanatophenyl) thiophosphate:**

Acute oral toxicity: LD50 Oral (Rat): > 675 mg/kg
Remarks: see user defined free text

Acute inhalation toxicity: LC50 (Rat): 5.721 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

**Tris(3-(trimethoxysilyl)propyl)isocyanurate:**

Acute oral toxicity: LD50 Oral (Rat): 1,713 mg/kg

**4,4’-methylene diphenyl diisocyanate:**

Acute oral toxicity: LD50 Oral (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity: LC50: 1.5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Expert judgment

**Skin corrosion/irritation**
Not classified based on available information.

**Serious eye damage/eye irritation**
Causes serious eye irritation.

**Respiratory or skin sensitization**

**Skin sensitization**
May cause an allergic skin reaction.

**Respiratory sensitization**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**
Not classified based on available information.

**Carcinogenicity**
Not classified based on available information.

IARC Group 2B: Possibly carcinogenic to humans
Carbon black 1333-86-4

OSHA Not applicable
NTP Not applicable

Reproductive toxicity
Not classified based on available information.

STOT-single exposure
May cause drowsiness or dizziness.

STOT-repeated exposure
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: Carbon black (1333-86-4)

Animal Toxicity:
Rat, oral, duration 2 year
Effect: no tumors

Mouse, oral, duration 2 years
Effect: no tumors
Mouse, dermal, duration 18 months
Effect: no skin tumors
Rat, inhalation, duration 2 years
Target organ: lungs
Effect: inflammation, fibrosis, tumors

Note: Tumors in the rat lung are considered to be related to the "particle overload phenomenon" rather than to a specific chemical effect of carbon black itself in the lung. These effects in rats have been reported in many studies on other poorly soluble inorganic particles and appear to be rat specific. Tumors have not been observed in other species (i.e., mouse and hamster) for carbon black or other poorly soluble particles under similar circumstances and study conditions.

Mortality studies (human data): A study on carbon black production workers in the UK (Sorahan, 2001) found an increased risk of lung cancer in two of the five plant studied; however, the increase was not related to the dose of carbon black. Thus, the authors did not consider the increased risk in lung cancer to be due to carbon black exposure. A German study of carbon black workers at one plant (Morfeld, 2006; Buechtle, 2006) found a similar increase in lung cancer risk but, like the Sorohan, 2001 (UK study) found no association with carbon black exposure. A large US study of 18 plants showed a reduction in lung cancer risk in carbon black production workers (DEII, 2006). Based upon these studies, the February 2006 Working Group at the International Agency for
Research on Cancer (IARC) concluded that the human evidence for carcinogenicity was inadequate (IARC, 2010). Since the IARC evaluation of carbon black, Sorahan and Harrington (2007) have re-analyzed the UK study data using an alternative exposure hypothesis and found a positive association with carbon black exposure in two of the five plants. The same exposure hypothesis was applied by Morfeld and McCunney (2009) to the German cohort; in contrast, they found no association between carbon black exposure and lung cancer risk and, thus, no support for the alternative exposure hypothesis used by Sorahan and Harrington. Overall, as a result of these detailed investigations, no causal link between carbon black exposure and cancer risk in humans has been demonstrated.

IARC CANCER CLASSIFICATION: In 2006 IARC re-affirmed its 1995 finding that there is "inadequate evidence" from human health studies to assess whether carbon black causes cancer in humans. IARC concluded that there is "sufficient evidence" in experimental animal studies for the carcinogenicity of carbon black. IARC's overall evaluation is that carbon black is "possibly carcinogenic to humans" (Group 2B)”. This conclusion was based on IARC's guidelines, which generally require such a classification if one species exhibits carcinogenicity in two or more animal studies (IARC, 2010).

Solvent extracts of carbon black were used in one study of rats in which skin tumors were found after dermal application and several studies of mice in which sarcomas were found following subcutaneous injection. IARC concluded that there was "sufficient evidence" that carbon black extracts can cause cancer in animals (Group 2B).

ICGH CANCER CLASSIFICATION: Confirmed Animal Carcinogen with Unknown Relevance to Humans (Category A3 Carcinogen).

ASSESSMENT: Applying the guidelines of self-classification under the Globally Harmonized System of Classification and Labeling of Chemicals, carbon black is not classified as a carcinogen. Lung tumors are induced in rats as a result of repeated exposure to inert, poorly soluble particles like carbon black and other poorly soluble particles. Rats tumors are a result of a secondary non-genotoxic mechanism that has questionable relevance for classification in humans. In support of this opinion, the CLP Guidance for Specific Target Organ Toxicity - Repeated Exposure (STOT-RE), cites lung overload under mechanisms not relevant to humans. Human health studies show that exposure to carbon black does not increase the risk to carcinogenicity.

Remarks: Toxicology data for the ingredients
Information given is based on data on the ingredients and the toxicology of similar products.
Based on available data, the classification criteria are not met.
SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product: Additional ecological 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.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: 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 requirements.

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

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR
UN/ID No.: UN 1866
Proper shipping name: Resin solution
Class: 3
Packing group: II
Labels: Flammable Liquids
Packing instruction (cargo aircraft): 364
Packing instruction (passenger aircraft): 353

IMDG-Code
UN number: UN 1866
Proper shipping name: RESIN SOLUTION
Class: 3
Packing group: II
Labels: 3
EmS Code: F-E, S-E
Marine pollutant: no

Domestic regulation

49 CFR
UN/ID/NA number: UN 1866
Proper shipping name: Resin solution
Class: 3
Packing group: II
Labels: FLAMMABLE LIQUID
ERG Code: 127
Marine pollutant: no

DOT: For Limited Quantity exceptions reference 49 CFR 173.150 (b)
IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

Special precautions for user
The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list: On or in compliance with the active portion of the TSCA inventory

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl acetate</td>
<td>141-78-6</td>
<td>5000</td>
</tr>
</tbody>
</table>

SARA 304 Extremely Hazardous Substances Reportable Quantity
Listed substances in the product are at low enough levels to not be expected to exceed the RQ

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: Flammable (gases, aerosols, liquids, or solids)
Respiratory or skin sensitization
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
California Prop. 65

⚠️ WARNING: This product can expose you to chemicals including Carbon black, amorphous, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>USA. ACGIH Threshold Limit Values (TLV)</td>
</tr>
<tr>
<td>OSHA P0</td>
<td>USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)</td>
</tr>
<tr>
<td>OSHA Z-1</td>
<td>USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants</td>
</tr>
<tr>
<td>ACGIH / TWA</td>
<td>8-hour, time-weighted average</td>
</tr>
<tr>
<td>ACGIH / STEL</td>
<td>Short-term exposure limit</td>
</tr>
<tr>
<td>OSHA P0 / TWA</td>
<td>8-hour time weighted average</td>
</tr>
<tr>
<td>OSHA P0 / STEL</td>
<td>Short-term exposure limit</td>
</tr>
<tr>
<td>OSHA P0 / C</td>
<td>Ceiling limit</td>
</tr>
<tr>
<td>OSHA Z-1 / TWA</td>
<td>8-hour time weighted average</td>
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<tr>
<td>OSHA Z-1 / C</td>
<td>Ceiling</td>
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Notes to Reader

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