

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** Coatings**PRODUCT DESCRIPTION:****PRODUCT CODE:** 2408 HD Deep IBlack**CHEMICAL FAMILY:** Polyester**GENERIC NAME:** Prestec**MANUFACTURER**

Simtec, Inc  
2088 2nd Street  
Norco, CA 92860

**Emergency Contact:** Mike DeVries**Emergency Phone:** 951-279-7010**Customer Service:** 951-279-7010**E-Mail:** Simteccoatings@att.net**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical) :** (877) 800-5553**CHEMTREC (US Transportation) :** (800) 424-9300

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

Flammable Liquids, Category 3

Skin Irritation, Category 2

Eye Irritation, Category 2A

**Health:**

Carcinogenicity, not classified

**GHS LABEL**

Flammable liquid &amp; vapors



Flame

Exclamation  
mark**SIGNAL WORD:** WARNING**HAZARD STATEMENTS**

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

**PRECAUTIONARY STATEMENTS****General:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

**Prevention:**

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

P240: Ground and bond container and receiving equipment.  
 P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
 P242: Use non-sparking tools.  
 P243: Take action to prevent static discharges.  
 P264: Wash ... thoroughly after handling.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

## Response:

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321: Specific treatment (see ... on this label).  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P370: In case of fire:.  
 P378: Use ... to extinguish.

## Storage:

P403: Store in a well-ventilated place.  
 P235: Keep cool.

## Disposal:

P501: Dispose of contents/container to ...

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name       | Wt. %   | CAS      |
|---------------------|---------|----------|
| Resin (proprietary) | ≤ 60    |          |
| Styrene             | 10 - 25 | 100-42-5 |
| 2-butanone          | 1 - 10  | 78-93-3  |
| Methanol            | 1 - 7   | 67-56-2  |
| Cobalt Compound     | 1 - 3   | none     |

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If swallowed, Do not induce vomiting. Rinse mouth. Get immediate medical attention. If spontaneous vomiting occurs, hold patients head below hips to avoid possible aspiration of vomitus into lungs.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Serious eye irritation.

**SKIN:** Contact causes skin irritation.

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

**SKIN ABSORPTION:** NA = Not Applicable

**INHALATION:** May cause headaches and dizziness.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** 3

**EXPLOSION HAZARDS:** May form flammable/explosive vapor-air mixture.

**FIRE FIGHTING PROCEDURES:** Use foam. Dry powder. Carbon Dioxide (co2). Water spray. Sand

**FIRE FIGHTING EQUIPMENT:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire exposed containers to minimize risk of rupture,

**FIRE EXPLOSION:** Flammable liquid. Vapors may spread long distances and ignite. Vapors and fumes may form explosive mixture with air.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

**GENERAL PROCEDURES:** Clean up spills immediately, observing precautions in Protective Equipment section.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store in a tightly closed container. Use spark proof tools and explosion proof equipment.

**HANDLING:** Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

**STORAGE:** Store in a cool dry place.

**STORAGE TEMPERATURE:** Store in a cool place below ( 68 ) F (20) C

**SHELF LIFE:** 6 months at ( 65 ) F

**COMMENTS:** Follow all SDS/label precautions even after container is emptied because it may retain product residues.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

## EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |      |                 |                   |           |                   |
|---------------------------------------------|------|-----------------|-------------------|-----------|-------------------|
|                                             |      | EXPOSURE LIMITS |                   |           |                   |
|                                             |      | OSHA PEL        |                   | ACGIH TLV |                   |
| Chemical Name                               |      | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> |
| Styrene                                     | TWA  | 100             | 420               | 20        | 85                |
|                                             | STEL | 200             |                   | 40        | 170               |
| 2-butanone                                  | TWA  | 200             | 590               | 200       | 590               |
|                                             | STEL |                 |                   | 300       | 885               |
| Cobalt Compound                             | TWA  | 500 Ppm         |                   | 100 Ppm   |                   |
|                                             | STEL | N/E Ppm         |                   | N/E Ppm   |                   |

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

**SKIN:** Wear protective gloves

**RESPIRATORY:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**PROTECTIVE CLOTHING:** Wear suitable protective clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Chemical Name | Flash Point (°C) | Melting Point (°C) | Boiling Point (°C) | Solubility in Water | Specific Gravity |
|---------------|------------------|--------------------|--------------------|---------------------|------------------|
| Styrene       | 30<br>Closed cup | -31                | 145                | Slight              | 0.91             |

**PHYSICAL STATE:** Liquid

**ODOR:** Of Solvent

**ODOR THRESHOLD:** No data available.

**COLOR:** Pink

**pH:** No Data available

**PERCENT VOLATILE:** 10-25%

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

**FLASH POINT AND METHOD:**  $\geq 36^{\circ}\text{C}$  (98°F) Pensky-Martens closed cup (ASTM D-93)**FLAMMABLE LIMITS:** 1.1 Styrene to 6.1 Styrene**AUTOIGNITION TEMPERATURE:** No data available.**VAPOR PRESSURE:** Less than 7.5 mm Hg @ 68 F (20 C)**VAPOR DENSITY:** 3.59 Styrene**Notes:** Air = 1**BOILING POINT:** Styrene: 293 F (145 C)**FREEZING POINT:** Styrene: -23 F (-30.5 C)**MELTING POINT:** No data available.**THERMAL DECOMPOSITION:** No data available.**SOLUBILITY IN WATER:** Insoluble**EVAPORATION RATE:** No data available.**DENSITY:** Clears**SPECIFIC GRAVITY:** 1.12 at 20°C (68°F)**MOLECULAR WEIGHT:** No data available.**(VOC):** 9.000 grams per Liter

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No reactivity hazard other than the effects described in sub-sections below.**HAZARDOUS POLYMERIZATION:** May occur. If product is not stored in dark at temperatures below 68 F (20 C), polymerization may occur.**STABILITY:** Stable. However, may decompose if heated.**CONDITIONS TO AVOID:** Direct sunlight. Extremely high or low temperatures. Open Flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes. Carbon monoxide. Carbon Dioxide. May release flammable gases.**INCOMPATIBLE MATERIALS:** Strong Bases. Strong Acids.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

| Chemical Name   | ORAL LD <sub>50</sub> | DERMAL LD <sub>50</sub> | INHALATION LC <sub>50</sub> |
|-----------------|-----------------------|-------------------------|-----------------------------|
| Styrene         | 1 600 to 1 300 mg/kg  | > 91 000 mg/kg          | 2232 PPM                    |
| Cobalt Compound | > 5000 mg/kg          | > 3000 mg/kg            | > 5500 Mg/Kg                |

**EYES:** Non-irritant (rabbit)**DERMAL LD<sub>50</sub>:** Slightly irritating, 24h (rabbit)**ORAL LD<sub>50</sub>:** Greater than 5,000 mg/kg (rat)**EYE EFFECTS:** Causes serious eye irritation.

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

**SKIN EFFECTS:** Causes skin irritation.**CARCINOGENICITY**

| Chemical Name   | NTP Status                          | IARC Status                                                                                                             | OSHA Status                         |
|-----------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Cobalt Compound | None of the ingredients are listed. | Possible human carcinogen (group2B)<br>However there is inadequate evidence of the carcinogenicity of cobalt in humans. | None of the ingredients are listed. |

**IARC:** Styrene 100-42-5 2B Possibly carcinogenic to Humans.**OSHA:** Not Established**IRRITATION:** Causes skin irritation.**CORROSIVITY:** NA = Not Applicable**NEUROTOXICITY:** No data available.**REPRODUCTIVE EFFECTS:** Not classified**TARGET ORGANS:** No data available.**12. ECOLOGICAL INFORMATION****AQUATIC TOXICITY (ACUTE):** No further relevant information available.

**GENERAL COMMENTS:** Water hazard class 2 (self assessment): Hazardous for water. Do not allow to reach ground water, water course or sewage system.  
Danger to drinking water.

**13. DISPOSAL CONSIDERATIONS****PRODUCT DISPOSAL:** Dispose of in accordance with FEDERAL, STATE and local regulations. incineration is the preferred method of disposal.**EMPTY CONTAINER:** Handle empty containers with care because residual vapors are Flammable. Dispose of in a safe manner in accordance with local/national regulations. Dispose of contents and containers to an approved site.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Resin Solution**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** UN1866**PACKING GROUP:** III

# SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

**U.S. SURFACE FREIGHT CLASS:** 55**MARINE POLLUTANT #1:** No data available.**OTHER SHIPPING INFORMATION:** None known.**ROAD AND RAIL (ADR/RID)****PROPER SHIPPING NAME:** Resin Solution**UN NUMBER:** 1866**HAZARD CLASS:** 3**CLASSIFICATION CODE:** 3- Flammable Liquid**PACKING GROUP:** III**LABEL:** 3 - Flammable Liquid**AIR (ICAO/IATA)****SHIPPING NAME:** Resin Solution**UN/NA NUMBER:** 1866**PRIMARY HAZARD CLASS/DIVISION:** 3**PACKING GROUP:** III**LABEL:** 3 - Flammable Liquid**VESSEL (IMO/IMDG)****SHIPPING NAME:** Resin Solution**UN/NA NUMBER:** 1866**PRIMARY HAZARD CLASS/DIVISION:** 3**PACKING GROUP:** III**MARINE POLLUTANT #1:** No data available.**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**Flammable  
Liquid

R10: Flammable.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

## SAFETY DATA SHEET



Date Prepared : 02/15/2023

SDS No : 2408

## EPCRA SECTION 313 SUPPLIER NOTIFICATION

| Chemical Name   | Wt.%    | CAS      |
|-----------------|---------|----------|
| Styrene         | 10 - 25 | 100-42-5 |
| Cobalt Compound | 1 - 3   | none     |

## CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

| Chemical Name | Wt.%    | CERCLA RQ |
|---------------|---------|-----------|
| Styrene       | 10 - 25 | 1,000     |
| 2-butanone    | 1 - 10  | 5,000     |

## TSCA (TOXIC SUBSTANCE CONTROL ACT)

| Chemical Name   | CAS      |
|-----------------|----------|
| Styrene         | 100-42-5 |
| 2-butanone      | 78-93-3  |
| Cobalt Compound | none     |

**CALIFORNIA PROPOSITION 65:** This product contains chemicals that have been designated as a cancer or reproductive hazard in the State of California.

## CANADA

## WHMIS HAZARD SYMBOL AND CLASSIFICATION



Flammable  
Liquid

## 16. OTHER INFORMATION

APPROVED BY: M DeVries

TITLE: Preparer

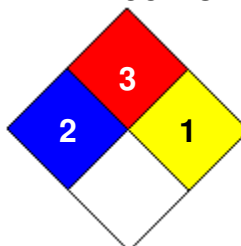
PREPARED BY: M DeVries

Date Prepared: 02/15/2023

## HMIS RATING

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 1 |
| PERSONAL PROTECTION |   | H |

## NFPA CODES



**MANUFACTURER DISCLAIMER:** This information is furnished without warranty, express or implied. This information is believed



## SAFETY DATA SHEET



**Date Prepared :** 02/15/2023

**SDS No :** 2408

---

to be accurate to the best knowledge of Simtec, Inc. The information in this SDS relates only to the specific material designated herein. Simtec, Inc assumes no legal responsibility for use of or reliance upon the information in this SDS.