

Safety Data Sheet

7116 Performance Pro™ Black



SDS Revision Date:

10/28/2014

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity 7116 Performance Pro™ Black
Alternate Names Plastisol Screen Printing Inks

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Screen Printing.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name International Coatings Company, Inc.
13929 East 166th Street
Cerritos, CA 90702-7666

Emergency

24 hour Emergency Telephone No. (800) 255-3924
Customer Service: International Coatings Company, Inc. (562) 926-1010

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 5;H313 May be harmful in contact with skin. (Not adopted by US OSHA)

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H313 May be harmful in contact with skin.

[Prevention]:

P260 Do not breathe mist / vapors / spray.
P262 Do not get in eyes, on skin, or on clothing.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P312 Call a POISON CENTER or doctor / physician if you feel unwell.

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P331 Do NOT induce vomiting.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|-----------|------------------------------------|--------|
| Calcium carbonate CAS Number: 0001317-65-3 | 25 - 50 | | [1][2] |
| 2,2,4-trimethylpentane-1,3-diyl dibenzoate CAS Number: Proprietary | 10 - 25 | | [1] |
| PVC (Chloroethylene, polymer) CAS Number: Proprietary | 10 - 25 | | [1] |
| Alkylsulfonic Acid Ester of Phenol CAS Number: Proprietary | 10 - 25 | Acute Tox. 4;H312 | [1] |
| Polyvinyl Chloride/Polyvinyl Acetate Copolymer CAS Number: Proprietary | 1.0 - 10 | | [1] |
| Amorphous fumed silica CAS Number: 0112945-52-5 | 1.0 - 10 | | [1] |
| Epoxidised soya oil CAS Number: 0008013-07-8 | 1.0 - 10 | | [1] |
| Carbon black CAS Number: 0001333-86-4 | 1.0 - 10 | | [1][2] |
| Stoddard solvent CAS Number: 0008052-41-3 | 0.1 - 1.0 | STOT RE 1;H372 Asp. Tox. 1;H304 | [1][2] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

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- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If the person is conscious, induce vomiting immediately by giving 2 glasses of water and pressing finger down the throat. Repeat until vomit is clear, then give milk. Contact a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Overview Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Eyes Causes serious eye irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Hydrogen chloride (if heated), carbon monoxide and carbon dioxide.
Do not breathe mist / vapors / spray.
Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters

In the event of fire, wear full protective clothing and NIOSH Approved Self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapors.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment as listed in Section 8 during clean up operations.

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6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Store in cool dry place. Elevated temperatures thicken product and shorten useful life.

Incompatible materials: Composition: Avoid contact with strong acids, alkali or oxidizing agents.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|-------------------|----------|---|
| 0001317-65-3 | Calcium carbonate | OSHA | TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp) |
| | | ACGIH | TWA: 10 mg/m3 Ceiling: 20 mg/m3 |
| | | NIOSH | TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp) |
| | | Supplier | No Established Limit |
| 0001333-86-4 | Carbon black | OSHA | TWA 3.5 mg/m3 |

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| | | | |
|--------------|--|----------|--|
| | | ACGIH | TWA: 3 mg/m ³ 2B, Revised 2011, |
| | | NIOSH | TWA 3.5 mg/m ³ Ca TWA 0.1 mg PAHs/m ³ [in presence of polycyclic aromatic hydrocarbons (PAHs)] |
| | | Supplier | No Established Limit |
| 0008013-07-8 | Epoxidised soya oil | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0008052-41-3 | Stoddard solvent | OSHA | TWA 500 ppm (2900 mg/m ³) |
| | | ACGIH | TWA: 290 mg/m ³ STEL: 580 mg/m ³ |
| | | NIOSH | TWA 350 mg/m ³ C 1800 mg/m ³ [15-minute] |
| | | Supplier | No Established Limit |
| 0112945-52-5 | Amorphous fumed silica | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| Proprietary | 2,2,4-trimethylpentane-1,3-diyl dibenzoate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| Proprietary | Alkylsulfonic Acid Ester of Phenol | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| Proprietary | Polyvinyl Chloride/Polyvinyl Acetate Copolymer | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| Proprietary | PVC (Chloroethylene, polymer) | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|-------------------|--------|---|
| 0001317-65-3 | Calcium carbonate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0001333-86-4 | Carbon black | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |

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| | | | |
|--------------|--|------|--|
| 0008013-07-8 | Epoxidised soya oil | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0008052-41-3 | Stoddard solvent | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0112945-52-5 | Amorphous fumed silica | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| Proprietary | 2,2,4-trimethylpentane-1,3-diyl dibenzoate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| Proprietary | Alkylsulfonic Acid Ester of Phenol | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| Proprietary | Polyvinyl Chloride/Polyvinyl Acetate Copolymer | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| Proprietary | PVC (Chloroethylene, polymer) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Respiratory

Not Required

Eyes

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.

Skin

Neoprene gloves are recommended.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance

Smooth thick Liquid

Odor

Faint

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| | |
|--|--|
| Odor threshold | Not Measured |
| pH | Not Measured |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | >420 F @5mmhg |
| Flash Point | >400 F C.O.C. |
| Evaporation rate (Ether = 1) | < 1 |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured |
| Vapor pressure (Pa) | Not Measured |
| Vapor Density | > 1 (Air=1) |
| Specific Gravity | 1.35-1.45 |
| Solubility in Water | Insoluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |
| VOC % | < 0.1 lb/gallon |
| % Volatile | < 1 |

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid exposure to heat and humidity.

10.5. Incompatible materials

Composition: Avoid contact with strong acids, alkali or oxidizing agents.

10.6. Hazardous decomposition products

Hydrogen chloride (if heated), carbon monoxide and carbon dioxide.

11. Toxicological information

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Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|--|--------------------------------|--------------------------------|---------------------------------|-------------------------------------|--------------------------|
| Calcium carbonate - (1317-65-3) | No data available | No data available | No data available | No data available | No data available |
| 2,2,4-trimethylpentane-1,3-diyl dibenzoate - (Proprietary) | No data available | No data available | No data available | No data available | No data available |
| PVC (Chloroethylene, polymer) - (Proprietary) | No data available | No data available | No data available | No data available | No data available |
| Alkylsulfonic Acid Ester of Phenol - (Proprietary) | > 5,000.00, Rat - Category: NA | > 1,000, Rat - Category: 4 | No data available | No data available | No data available |
| Polyvinyl Chloride/Polyvinyl Acetate Copolymer - (Proprietary) | No data available | No data available | No data available | No data available | No data available |
| Amorphous fumed silica - (112945-52-5) | 3,160.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Epoxidised soya oil - (8013-07-8) | 21,000.00, Rat - Category: NA | 2,000.00, Rabbit - Category: 4 | No data available | No data available | No data available |
| Carbon black - (1333-86-4) | 8,000.00, Rat - Category: NA | No data available | No data available | No data available | No data available |
| Stoddard solvent - (8052-41-3) | No data available | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|---|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | 5 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |

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| | | |
|------------------------|-----|----------------|
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|------------------------|----------------------------|--|
| Calcium carbonate - (1317-65-3) | Not Available | Not Available | Not Available |
| 2,2,4-trimethylpentane-1,3-diyl dibenzoate - (Proprietary) | Not Available | Not Available | Not Available |
| PVC (Chloroethylene, polymer) - (Proprietary) | Not Available | Not Available | Not Available |
| Alkylsulfonic Acid Ester of Phenol - (Proprietary) | Not Available | Not Available | Not Available |
| Polyvinyl Chloride/Polyvinyl Acetate Copolymer - (Proprietary) | Not Available | Not Available | Not Available |
| Amorphous fumed silica - (112945-52-5) | Not Available | Not Available | Not Available |
| Epoxidised soya oil - (8013-07-8) | 900.00, Leuciscus idus | 100.00, Daphnia magna | 8.00 (72 hr), Scenedesmus subspicatus |
| Carbon black - (1333-86-4) | 1,000.00, Danio rerio | 5,600.00, Daphnia magna | 10,000.00 (72 hr), Scenedesmus subspicatus |
| Stoddard solvent - (8052-41-3) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

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13.1. Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

14. Transport information

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|--|---|----------------------------------|
| 14.1. UN number | Not Applicable | | |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable DOT Label: --- | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: Yes | | |
| 14.6. Special precautions for user | | | |
| | No further information | | |

15. Regulatory information

| | |
|---|--|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. |
| WHMIS Classification | Not Regulated |
| US EPA Tier II Hazards | Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No |
| EPCRA 311/312 Chemicals and RQs: | (No Product Ingredients Listed) |
| EPCRA 302 Extremely Hazardous : | (No Product Ingredients Listed) |
| EPCRA 313 Toxic Chemicals: | |

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Butyl diglycol

Proposition 65 - Carcinogens (>0.0%):

Carbon black

Crystalline Silica - Quartz

Proposition 65 - Developmental Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

N.J. RTK Substances (>1%):

Carbon black

Chloroethylene, polymer

Calcium carbonate

Penn RTK Substances (>1%):

Carbon black

Calcium carbonate

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H372 Causes damage to organs through prolonged or repeated exposure.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

International Coatings Co., Inc. believes to the best of its knowledge that the information provided herein, is factual and the recommendations made are accurate as of the date shown. However, no representation or warranty is made as to their completeness or accuracy.

End of Document