# SAFETY DATA SHEET

**Issuing Date** 08-July-2015 **Revision Date** 08-July-2015 **Revision Number** 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**GHS Product Identifier**

**Product Name** **FD Black Ink**

**Supplier's details**

**Universal Stenciling & Marking Systems, Inc.**
205 15th Avenue S.E.
Saint Petersburg, FL 33701
TEL: 727-894-3027

**Chemical Emergency Phone Number** 24-hour Emergency Phone: Chemtrec 1-800-424-9300 (USA only)
1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**CLASSIFICATION:**
This product is considered hazardous by the OSHA Hazard Communication Standard 2012 (29CFR 1910.1200)

| | |
|---|---|
| Flammable Liquid | Category 2 |
| Skin Corrosive | Category 2 |
| Eye Corrosive | Category 2A |
| Carcinogen | Category 2 |
| Aspiration hazard | Category 1 |

**GHS Label elements, including precautionary statements**

**Hazards Statements**

| | |
|---|---|
| H225 | Highly flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H351 | Suspected of causing cancer |

**Precautionary Statements**

| | |
|---|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| 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/light/…/equipment |
| P242 | Use only non-sparking tools |
| P243 | Take precautionary measures against static discharge |
| P264 | Wash … thoroughly after handling |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P281 | Use personal protective equipment as required |
| P331 | Do NOT induce vomiting |
| P362 | Take off contaminated clothing and wash before reuse |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician |
| P302 + P352 | IF ON SKIN: Wash with soap and water. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. |

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses is present and easy to do – continue rinsing. |
| P405 | Store locked up |
| P403+P235 | Store in a well ventilated place. Keep cool |

**Signal Word: Warning**

EFFECTS OF OVEREXPOSURE - EYE CONTACT: CAN CAUSE EYE IRRITATION. SYMPTOMS INCLUDE STINGING, TEARING, REDNESS, AND SWELLING OF EYES.
EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING AND CRACKING OF SKIN, AND SKIN BURNS. PASSAGE OF THIS MATERIAL INTO THE BODY THROUGH THE SKIN IS POSSIBLE, BUT IT IS UNLIKELY THAT THIS WOULD RESULT IN HARMFUL EFFECTS DURING SAFE HANDLING AND USE. PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
EFFECTS OF OVEREXPOSURE - INHALATION: EXPOSURE TO VAPOR OR MIST IS POSSIBLE. SHORT-TERM INHALATION TOXICITY IS LOW. BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL. SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS.
EFFECTS OF OVEREXPOSURE - INGESTION: SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE.
EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL THROUGH BREATHING, SWALLOWING AND/OR PASSAGE OF THE MATERIAL THROUGH THE SKIN MAY INCLUDE: MOUTH AND THROAT IRRITATION, GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, RESPIRATORY TRACT), TIGHTNESS IN THE CHEST, CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS), MUSCLE WEAKNESS, AND IMPAIRED COORDINATION.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % |
|---|---|---|
| Xylene | 1330-20-7 | 34.27% |
| 1,2,4-Trimethylbenzene | 95-63-6 | 11.53% |
| Ethylbenzene | 100-41-4 | 8.65% |
| 3-Ethyltoluene | 620-14-4 | 6.33% |
| Carbon Black | 1333-86-4 | 6.13% |
| Mesitylene | 108-67-8 | 3.30% |
| 4-Ethyltoluene | 622-96-8 | 2.97% |
| 1,2,3-Trimethlybenzene | 526-73-8 | 2.31% |
| Propylbenzuene | 103-65-1 | 2.31% |
| o-Xylene | 95-47-6 | 1.98% |
| 2-Ethyltoluene | 611-14-3 | 1.65% |
| Cumene | 98-82-8 | 0.49% |

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

**Inhalation**

IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION; KEEP PERSON WARM AND QUIET. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, ADMINISTER OXYGEN.

**Eye Contact**

IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION.

**Skin Contact**

REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK MEDICAL ATTENTION. IF SKIN IS NOT DAMAGED AND SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDER CLOTHING BEFORE REUSE.

**Ingestion**

IMMEDIATE TREATMENT: DO NOT INDUCE VOMITING! IF MORE THAN TRACE QUANTITIES HAVE BEEN SWALLOWED AND THE PATIENT IS CONSCIOUS WASH OUT MOUTH WITH WATER AND GIVE 200-300 ML (HALF PINT) OF WARM WATER TO DRINK. OBTAIN MEDICAL ATTENTION ON SITE OR TRANSPORT TO HOSPITAL.

**Note to Physicians**

EXPOSURE TO HIGH CONCENTRATIONS OF THIS MATERIAL (e.g., IN ENCLOSED SPACES OR WITH DELIBERATE ABUSE) MAY BE ASSOCIATED WITH CARDIAC ARRHYTHMIAS. EPINEPHRINE AND OTHER SYMPATHOMIMETIC DRUGS MAY INITIATE CARDIAC ARRHYTHMIAS IN PERSONS EXPOSED TO THIS MATERIAL. OTHER DRUGS WITH LESS ARRHYTHMOGENIC POTENTIAL SHOULD BE CONSIDERED. IF SYMPATHOMIMETIC DRUGS ARE ADMINISTERED, OBSERVE FOR THE DEVELOPMENT OF CARDIAC ARRHYTHMIAS.

## 5. FIRE-FIGHTING MEASURES

**Flash Point:** 15 °C / 59 °F
**LEL:** 1.00 **UEL:** 7.00

**Extinguishing Media:** Alcohol Foam CO2 Dry Chemical Foam Water Fog

**Unusual Fire and Explosion Hazards:**

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIALHANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

**Special Firefighting Procedures:**

WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THIS SDS.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:**

ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR ABSORBENT MATERIAL.

**Large Spills:**

ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSON NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PREVENT FROM SPREADING. IF RUNOFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED. PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE PRODUCT. TRANSFER CONTAMINATED ABSORBENT, SOIL AND OTHER MATERIALS TO CONTAINERS FOR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling**

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED. WARNING! SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MIST FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES. PUBLISHED "AUTOIGNITION" OR "IGNITION" TEMPERATURE VALUES CANNOT BE TREATED AS SAFE OPERATING TEMPERATURES IN CHEMICAL PROCESSES WITHOUT ANALYSIS OF THE ACTUAL PROCESS CONDITIONS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

**Storage**

KEEP CONTAINERS TIGHTLY CLOSED AND AWAY FROM HEAT, SPARKS, AND OPEN FLAME. STORE AWAY FROM STRONG OXIDIZING AGENTS IN A COOL DRY PLACE WITH ADEQUATE EXPLOSION PROOF VENTILATION. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE, FLASH FIRES MAY RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|---|---|---|
| Xylene<br>1330-20-7 | TWA 100 ppm<br>STEL 150 ppm | TWA 100 ppm<br>STEL 150 ppm | Not Established |
| 1,2,4-Trimethylbenzene<br>95-63-6 | PEL-TWA: 25 PPM | TLV-TWA: 25 PPM<br>TLV-STEL: 35 PPM | TWA 25.000000 ppm<br>125.000000 mg/m3<br>USA. NIOSH Recommended Exposure Limits |
| Ethylbenzene<br>100-41-4 | PEL-TWA: 100 PPM | TWA 20.000000 ppm USA. ACGIH Threshold Limit Values (TLV)<br>STEL 125.000000 ppm<br>USA. ACGIH Threshold Limit Values (TLV)<br>Central Nervous System impairment<br>Upper Respiratory Tract irritation<br>Eye irritation | Not Established |
| 3-Ethyltoluene<br>620-14-4 | Not Established | Not Established | Not Established |
| 3-Ethyltoluene<br>620-14-4 | Not Established | Not Established | Not Established |
| Carbon Black<br>1333-86-4 | TWA 3.5 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000<br>TWA 3.5 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants | TWA 3.5 mg/m3 USA. ACGIH Threshold Limit Values (TLV)<br>Remarks Not classifiable as a human carcinogen | TWA 3.5 mg/m3 USA. NIOSH Recommended Exposure Limits<br>TWA 0.1 mg/m3 USA. NIOSH Recommended Exposure Limits<br>Potential Occupational Carcinogen<br>Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)<br>See Appendix C<br>See Appendix A |
| Mesitylene<br>108-67-8 | Not Established | Not Established | TWA 25 ppm 125 mg/m3 USA. NIOSH Recommended Exposure Limits |
| 4-Ethyltoluene<br>622-96-8 | Not Established | Not Established | Not Established |
| 1,2,3-Trimethylbenzene<br>526-73-8 | Not Established | Not Established | TWA 25.000000 ppm<br>125.000000 mg/m3<br>USA. NIOSH Recommended Exposure Limits |
| Propylbenzene<br>103-65-1 | Not Established | Not Established | Not Established |

| | | | |
|---|---|---|---|
| o-Xylene<br>95-47-6 | TWA 100.000000 ppm<br>435.000000 mg/m3<br>USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants | TWA 100.000000 ppm<br>USA. ACGIH Threshold Limit Values (TLV)<br>Remarks Eye & Upper Respiratory Tract irritation<br>Central Nervous System impairment<br>Substances for which there is a Biological Exposure Index or Indices (see BEI® section)<br>Not classifiable as a human carcinogen<br>STEL 150.000000 ppm<br>USA. ACGIH Threshold Limit Values (TLV)<br>Eye & Upper Respiratory Tract irritation<br>Central Nervous System impairment<br>Substances for which there is a Biological Exposure Index or Indices (see BEI® section)<br>Not classifiable as a human carcinogen | TWA 100.000000 ppm<br>435.000000 mg/m3<br>USA. NIOSH Recommended Exposure Limits<br>ST 150.000000 ppm<br>655.000000 mg/m3<br>USA. NIOSH Recommended Exposure Limits |
| 2-Ethyltoluene<br>611-14-3 | Not Established | Not Established | Not Established |
| Cumene<br>98-82-8 | PEL-TWA: 50 PPM | TLV-TWA: 50 PPM<br>TLV-STEL: 75 PPM | Not Established |

| | |
|---|---|
| **Engineering Controls:** | PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S). |
| **Respiratory Protection:** | IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. |
| **Skin Protection:** | WEAR RESISTANT GLOVES (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER. TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS. |
| **Eye Protection:** | CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE. |
| **Other Protective Equipment:** | USE PROTECTIVE CREAMS WHERE SKIN CONTACT IS LIKELY. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. |
| **Hygienic Practices:** | WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Odor** | Mild | **Physical State** | Liquid |
| **Vapor Density:** | 3.70 | **Boiling Range:** | 64 to 4827 °C, 147 to 8721 °F |
| **Specific Gravity (SG):** | 0.938 | **Lb. / Gal:** | 7.830 |
| **Lbs. VOC / Gallon Less Water:** | 5.93 | | |

## 10. STABILITY AND REACTIVITY

AVOID STRONG OXIDIZING AGENTS, EXCESSIVE HEAT, AND SOURCES OF IGNITION. AVOID CONTACT WITH: STRONG BASES, STRONG OXIDIZING AGENTS. MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

## 11. TOXICOLOGICAL INFORMATION

**Mixture Toxicity**

**Dermal Toxicity LD50:** 4,393 mg/kg
**Inhalation Toxicity LC50:** 684 mg/L

**Component Toxicity**

**Xylene 1330-20-7:** Oral LD50: 4,300 mg/kg (Rat) Dermal LD50: 1,700 mg/kg (Rabbit)
**Carbon Black 1333-86-4:** Dermal LD50: 3,000 mg/kg (Rat)

**Primary Route(s) of Entry:**

Inhalation Skin Contact Eye Contact Ingestion

**COMPONENT INFORMATION:**

| Chemical Name /CAS No. | IARC | NTP | OSHA |
|---|---|---|---|
| Ethylbenzene 100-41-4 | 2B – Group 2B: Possibly carcinogenic to humans | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA |
| Cumene 98-82-8 | 2B – Group 2B: Possibly carcinogenic to humans | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA |

This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

## 12. ECOLOGICAL INFORMATION

**COMPONENT ECOTOXICITY**

**Xylene**
96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through];
96 Hr LC50 Oncorhynchus mykiss: 2.661-4.093 mg/L [static];
96 Hr LC50 Oncorhynchus mykiss: 13.5-17.3 mg/L;
96 Hr LC50 Lepomis macrochirus: 13.1-16.5 mg/L [flow -through];
96 Hr LC50 Lepomis macrochirus: 19mg/L;
96 Hr LC50 Lepomis macrochirus: 7.711- 9.591 mg/L [static];
96 Hr LC50 Pimephales promelas: 23.53-29.97 mg/L [static];
96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static];
96 Hr LC50 Cyprinus carpio: >780 mg/L;
96 Hr LC50 Poecilia reticulata: 30.26-40.75 mg/L [static]
48 Hr EC50 water flea: 3.82 mg/L;
48 Hr LC50 Gammarus lacustris: 0.6 mg/L
48 Hr EC50 water flea: 3.82 mg/L;
48 Hr LC50 Gammarus lacustris: 0.6 mg/L

1,2,4-Trimethylbenzene
Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 7.72 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates static test EC50 – Daphnia magna (Water flea) - 3.6 mg/l - 48 h (OECD Test Guideline 202)

Ethylbenzene
Toxicity to fish flow-through test LC50 - Menidia menidia (Atlantic silverside) - 5 .1 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 1.8 - 2.4 mg/l - 48 h
Toxicity to algae static test EC50 - Skeletonema costatum - 4.9 mg/l - 72 h

3-Ethyltoluene
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 6.9 mg/l - 96.0 h

Carbon Black
Toxicity to fish LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h (OECD Test Guideline 202)
Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l - 72 h (OECD Test Guideline 201)

| | |
|---|---|
| Mesitylene | Toxicity to fish LC50 - Carassius auratus (goldfish) - 12 .52 mg/l - 96.0 h<br>Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h |
| o-Xylene | Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 16.10 mg/l - 96 h LC50 - Carassius auratus (goldfish) - 13.00 mg/l - 24 h<br>Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1.39 - 1.87 mg/l - 48 h<br>Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - 4 .70 mg/l - 72 h EC50 - Chlorella vulgaris (Fresh water algae) - 55.00 mg/l - 24 h |
| Cumene | Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 4 .8 mg/l - 96 h<br>Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia (water flea) - 2.14 mg/l - 48 h (OECD Test Guideline 202)<br>Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - 2 .60 mg/l - 72 h |

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Dispose of in accordance with local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT – IATA – IMDG/IMO**

| | |
|---|---|
| **UN-Number** | UN1210 |
| **Proper shipping name** | Printing Ink Mixture |
| **Hazard Class** | 3 |
| **Packing Group** | II |
| **Description** | UN1210, Printing Ink, 3, II |

## 15. REGULATORY INFORMATION

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**: WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
98-82-8 Cumene Carcinogen
1333-86-4 Carbon Black Carcinogen
100-41-4 Ethylbenzene Carcinogen

**Massachusetts Right To Know Components**
Cumene 98-82-8
o-Xylene 95-47-6
Propylbenzene 103-65-1
Mesitylene 108-67-8
Carbon Black 1333-86-4
Ethylbenzene 100-41-4
1,2,4-Trimethylbenzene 95-63-6

**New Jersey Right To Know Components**
Cumene 98-82-8
2-Ethyltoluene 611-14-3
o-Xylene 95-47-6
1,2,3-Trimethylbenzene 526-73-8
Propylbenzene 103-65-1
4-Ethyltoluene 622-96-8
Mesitylene 108-67-8
Carbon Black 1333-86-4
3-Ethyltoluene 620-14-4
Ethylbenzene 100-41-4
1,2,4-Trimethylbenzene 95-63-6

**Pennsylvania Right To Know Components**
Cumene 98-82-8
2-Ethyltoluene 611-14-3
o-Xylene 95-47-6
1,2,3-Trimethylbenzene 526-73-8
Propylbenzene 103-65-1
4-Ethyltoluene 622-96-8
Mesitylene 108-67-8
Carbon Black 1333-86-4
3-Ethyltoluene 620-14-4
Ethylbenzene 100-41-4
1,2,4-Trimethylbenzene 95-63-6

**SAFETY PHRASE:**

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the WSCA inventory.

**- None**

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazard** 2 | **Flammability** 3 | **Instability** 0 | **Physical and Chemical Hazards** * |
| **HMIS** | **Health Hazard** * 2 | **Flammability** 3 | **Physical Hazard** 0 | **Personal Protection** X |

| | |
|---|---|
| **Prepared By** | Don Wright |
| **Issuing Date** | 08-JULY- 2015 |
| **Revision Date** | 08-JULY- 2015 |
| **Revision Note** | Initial Release. |

**General Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**