



# SAFETY DATA SHEET

Issuing Date 15-July-2015

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Revision Number 01

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

### GHS Product Identifier

**Product Name** USIP Black Stencil Ink  
**Product Code(s)** Gallon: Black #20111  
Quart: Black #20121

### Supplier's details

#### Supplier Address

U-Mark, Inc  
102 Iowa Ave.  
Belleville, IL 62220  
TEL: 618-235-7500

**Chemical Emergency Phone Number** 24-hour Emergency Phone: Infotrac 1-800-535-5053 (USA & Canada), 1-352-323-3500 (International)

### Recommended Use and Restrictions on Use:

Not intended for food contact. Keep out of reach of children.

## 2. HAZARDS IDENTIFICATION

### Classification

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

Skin Corrosive	Category 1
Eye Corrosive	Category 1
Respiratory	Category 1
Carcinogen	Category 2
Toxic to Reproduction	Category 2
Specific Target Organ Toxicity – Repeated Exposure	Category 2
Acute Toxicity – Oral	Category 5
Acute Toxicity – Dermal	Category 5
Acute Toxicity – Inhalation	Category 5

### GHS Label elements, including precautionary statements

Signal Word: Warning



Causes serious eye irritation (Hazard Category 1)  
Sensitization (Hazard Category 1)  
May cause respiratory irritation (Hazard Category 1)

### Hazard Statements

H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H317	May cause an allergic skin reaction
H333	May be harmful if inhaled
H351	Suspected of causing cancer
H361	Suspected of damaging fertility
H373	May cause damage to cardiovascular system, blood, bladder, kidneys, and liver through prolonged or repeated exposure

**Precautionary Statements**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust, fumes, or vapors
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves / protective clothing / eye protection / face protection
P281	Use personal protective equipment as required
P302 + P352	IF ON SKIN: Wash with soap and water
P304 + P312	IF INHALED: Call a Poison Center or doctor if you feel unwell
P308 + P313	IF exposed or concerned: Get medical attention
P312	Call a Poison Center or doctor if you feel unwell
P314	Get medical attention if you feel unwell
P321	Specific treatment: Wash clothes separately. Instead of washing heavily contaminated clothing, dispose of in accordance with all local, State, and Federal regulations
P333 + P313	If skin irritation or rash occurs, get medical attention
P363	Wash contaminated clothing before reuse
P405	Store locked up
P501	Dispose of contents and containers in accordance with all local, Regional, National, and International regulations

**Prevention:** Do not breathe dust, fumes, or vapors. Contaminated work clothing must not be allowed out of the workplace. Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection.

**Response:** Get medical attention if you feel unwell.

If on skin: Wash with plenty of water and soap. If skin irritation or rash occurs: get medical attention. Wash contaminated clothing before reuse.

Specific treatment: Wash clothes separately. Instead of washing heavily contaminated clothing, dispose of in accordance with local, state, federal, and international requirements.

If exposed or concerned: Get medical attention.

If inhaled: Call a poison center or doctor if you feel unwell.

**Storage:** Store locked up.

**Disposal:** Dispose of contents and container in accordance with local, state, federal, and international regulations.

**Hazards Not Otherwise Classified:** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Diacetone Alcohol	123-42-2	70%
C.I. Solvent Black 7	8005-02-5	10%
Aniline*	62-53-3	0 to <0.25%
Diphenylamine*	122-39-4	0 to <0.25%
Nitrobenzene*	98-95-3	0 to <0.02%

\* Denotes components that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA or SARA Title III) and 40 CFR 372.

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures

<b>General Advice</b>	Provide appropriate basic first aid. Move victim away from the hazard to a well-ventilated area. Keep victim warm and at rest.
<b>Skin Contact</b>	Remove contaminated clothing. Flush exposed area with large amounts of soap and water. Launder clothing before reuse.
<b>Eye Contact</b>	Wash eyes immediately with water or saline solution for 20 to 30 minutes. If symptoms persist or there is visual difficulty, seek medical attention.
<b>Inhalation</b>	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.

**Ingestion** If victim is conscious and breathing- do not induce vomiting! Give 1 to 2 glasses of water to dilute the chemical and immediately call a Poison Control center or doctor.  
If the victim is unconscious or convulsing- do not give anything by mouth. Ensure victim's airway is open. Lay the victim on his or her side with the head lower than the body. Do not induce vomiting- seek immediate medical attention.

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Flash Point:** 65 - 70 °C

**Extinguishing Media:** Water fog, CO2, dry chemical

**Protective Equipment:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighter's protective clothing provides limited protection in fire situations only; it is not effective in spill situations where direct contact with the product is possible.

**Special Firefighting Procedures / Precautions:** Use extinguishing media appropriate to materials stored nearby. Material may show self-heating properties if stored above 140 °C / 284 °F.

**6. ACCIDENTAL RELEASE MEASURES**

**Spills:** Ventilate area. Remove all sources of ignition. Only personnel with emergency response training and the appropriate personal protective equipment should attempt spill clean-up. Dampen the solid spill material with methanol, and then transfer the dampened material to a suitable container. Use absorbent paper dampened with methanol to pick up any remaining material. Contaminated clothing and absorbent paper should be sealed in a vapor-tight bag for disposal. Solvent-wash contaminated surfaces with methanol followed by washing with a soap and water solution. Do not re-enter the contaminated area until a safety office (or other responsible person) has verified that the area has been properly cleaned. Prevent from entering drains, sewers, streams or other bodies of water. Dispose of in accordance to applicable state, local, or Federal State Laws

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Handling:** Use only in well ventilated areas. Do not breathe dust. Prevent deposition of dust. Do not expose to friction or shock. Prevent electrical / static discharges by grounding and use of explosion proof equipment. Keep containers cool before opening. Use care when opening containers.

**Storage:** Store in a cool, dry place away from sources of ignition and from freezing. Ensure adequate ventilation. Store locked up.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name / CAS No.	OSHA PEL	ACGIH TLV	NIOSH REL
Aniline 62-53-3	5 ppm (Skin)	2 ppm (Skin)	—
Diphenylamine 122-39-4	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Nitrobenzene 98-95-3	1 ppm (Skin)	1 ppm (Skin)	1 ppm (Skin)

**Engineering Controls:** If handling in an enclosed area, ensure adequate local ventilation.

**Personal Protection Measures / Equipment:** Engineering controls should be used in preference to personal protective equipment wherever practicable. Provide adequate ventilation.

- Skin and Body Protection – Wear light protective clothing.
- Hand Protection – Wear suitable gloves for prolonged, direct contact (Recommended: Protection corresponding > 480 minutes of permeation time):
  - Butyl rubber (butyl)- 0.7 mm coating thickness
  - Nitrile rubber (NBR)- 0.4 mm coating thickness
 Follow the glove manufacturer's directions for use.
- Eye Protection- Wear safety goggles or glasses with side guards that meet ANSI Z87 standards and/or are tested and approved under appropriate government standards.

Respiratory Protection - If engineering controls are not sufficient, wear NIOSH / MSHA approved respirator. Refer to respirator manufacturer's instructions for determining use procedures and limitations.

Other Protection - Always wash hands, face, and arms with soap and clean water before eating, drinking, using cosmetics, smoking, or going to the toilet. Wash hands before breaks and at the end of work and apply skin-care agents. Keep away from food and beverages. Immediately remove all soiled clothing. Avoid contact with eyes and skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Odor</b>	Mild Alcohol	<b>Physical State</b>	Liquid
<b>Vapor Density:</b>	Heavier than air	<b>Boiling Range:</b>	> 360 °C / >680 °F
<b>Vapor Pressure:</b>	1.1 x 10 <sup>-10</sup> Pa at 25 °C	<b>Solubility:</b>	< 0.1mg/L at 20°C (water)
<b>Specific Gravity (SG):</b>	0.893 to 20°C		

## 10. STABILITY AND REACTIVITY

Avoid oxidizing agents. Avoid excessive heat, open flames, and sources of ignition. May form: Carbon Monoxide, Carbon Dioxide, and Nitrogen Oxide(s).

Hazardous Polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Mixture Toxicity

<b>Dermal Toxicity LD50:</b>	2,000 mg/kg (Rat)
<b>Inhalation Toxicity LC50:</b>	5 mg/L (Rat)

### Primary Route(s) of Entry:

Inhalation    Skin Contact    Eye Contact    Ingestion

### Component Information:

Chemical Name /CAS No.	IARC	NTP	OSHA
Aniline 62-53-3	Group 3: Not classified as to its carcinogenicity to humans		No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.
Nitrobenzene 98-95-3	Group 2B: Possibly carcinogenic to humans	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.	No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.

Nitrobenzene, a component of this product, is suspected of damaging fertility.

## 12. ECOLOGICAL INFORMATION

### Component Ecotoxicity:

#### Acute Toxicity

96 hour LC50 *Oncorhynchus mykiss* (fish): = > 2mg/L  
 48 hour EC50 *Daphnia magna* (crustacea): = > 0.071 mg/L  
 72 hour EC50 *Scenedesmus subspicatus* (green algae): = 0.082 mg/L

#### Chronic Toxicity

21 day NOEC *Daphnia magna* (crustacea): = 0.021 mg/L

#### Persistence and Degradability

4% biodegradation after 28 days in modified MTI test. The substance is not readily biodegradable.

#### Bioaccumulative Potential

BCF up to 216 Ukg; low bioaccumulation potential.

#### Mobility in Soil

K<sub>oc</sub> = 1283; Log K<sub>oc</sub> = 3.107 (estimated)

#### Results of PBT and vPvB assessment

This product does not meet the REACH definition of Persistent, Bioaccumulative and Toxic (PBT) or very Persistent, very Bioaccumulative (vPvB).

#### Other Adverse Effects

The acute and chronic effect on the aquatic environment could not be classified due to product's poor solubility.

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Methods:

Dispose of in accordance with local, State, and Federal regulations.

**14. TRANSPORT INFORMATION****DOT – IATA – IMDG/IMO**

<b>UN-Number</b>	UN1210
<b>Proper shipping name</b>	Printing Ink
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1210, Printing Ink, 3, III

**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:

62-53-3 Aniline

98-95-3 Nitrobenzene

**Massachusetts Right To Know Components**

62-53-3 Aniline

122-39-4 Diphenylamine

98-95-3 Nitrobenzene

**New Jersey Right To Know Components**

62-53-3 Aniline

122-39-4 Diphenylamine

98-95-3 Nitrobenzene

**Pennsylvania Right To Know Components**

62-53-3 Aniline

122-39-4 Diphenylamine

98-95-3 Nitrobenzene

**Safety Phrase:**

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

- None

**16. OTHER INFORMATION**

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**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 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**