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This document complies with the US OSHA Hazard Communication Standard (29 CFR 1910.1200), Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR), and Mexico's NMX-R-019-SC-2011.

1. Identification of the Substance/Preparation and the Company Undertaking

GHS Product Identifier

Product Form/Description:	Oil Based Ink Marking Pens
Product Name:	IM-13, IM-14, IM-15
Synonyms	"Bleed Thru"

Other Means of Identification

Part Number:

Colors	Black	Blue	Red
IM-13	01301	01302	01311
IM-14	01401	01402	01411
IM-15	01501	01502	01511

Formula Code:

Black	Blue	Red
XV-11135	XV-794	XV-802

Recommended use of the chemical and restrictions on use

Recommended Use	Designed for making marks that bleed through oil based primers layed ontop of them
Uses Advised Against:	No information available

Supplier's Details

Supplier Address	Arro-Mark Company LLC. 158 West Forest Ave Englewood, New Jersey, 07631 USA Phone: (201) 567-4112 Email: Sales@arromark.com
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Emergency Telephone Number

Chemtrec	US 800-424-9300	International 703-527-3887
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2. HAZARD IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communications Standard 2012 (29 CFR 1910.1200):

Flammable Liquid Category	3
Skin Corrosion/Irritation Category	2
Serious eye damage/Eye Irritation Category	2A
Acute Toxicity Inhalation Category	4
Acute Toxicity Skin Category	4
Aspiration Hazard Category	1
Carcinogenicity Inhalation Category	2
Specific target Organ Toxicity (single Exposure) respiratory tract irritation Category	3
Specific target Organ Toxicity (repeated Exposure) Inhalation Category	2

GHS Label Elements, including precautionary statements

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Signal Word: Warning

Appearance:	Opaque, varies
Physical state:	Thin viscosity liquid
Odor:	Aromatic Odor

Hazard Statements:

Code	Statement
H315	Causes skin irritation. Causes serious eye irritation.
H335	May cause respiratory irritation.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H372	May cause damage to organs through prolonged or repeated exposure by inhalation.
H351	Suspected of causing cancer if inhaled.
H226	Flammable liquid and vapor.

Precautionary Statements:

Prevention	Response	Storage	Disposal
<p>Do not handle until all safety precautions have been read and understood.</p> <p>Obtain special instructions before use.</p> <p>Keep container tightly closed Use only in a well ventilated area.</p> <p>Do not breathe dust/vapors/fumes</p> <p>Wash face and hands and any exposed skin thoroughly after handling.</p> <p>Wear protective gloves/clothing/eye protection/face protection.</p> <p>Keep away from heat/sparks/flame hot surfaces – no smoking.</p> <p>Use explosion proof electrical/ventilating/lighting equipment</p> <p>Ground/bond container and receiving equipment.</p> <p>Use non-sparking tools.</p> <p>Take precautionary measures against static discharge.</p>	<p>If exposed or concerned: get medical attention/advice.</p> <p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.</p> <p>If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.</p> <p>If swallowed: Immediately call a poison center/doctor. Do not induce vomiting. In case of fire: Use CO2, dry chemical, foam or water spray to extinguish.</p>	<p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p> <p>Keep container tightly closed.</p>	<p>Dispose of contents/container in approved waste disposal plant.</p>

General Advice

If exposed or concerned:	Get medical attention/advice
ACUTE HAZARD:	At high concentration, dizziness and unconsciousness may occur.
CAUTION:	Contains xylene. Harmful or fatal if swallowed. Avoid inhalation. Direct contact may cause skin or eye irritation.

KEEP OUT OF REACH OF CHILDREN.

Fire	Use CO2, dry chemical, foam, or water spray
Spills and Leaks	Contain and collect spillage
Hazard not Otherwise Classified (HNOC)	Not applicable



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3. COMPOSITION / INFORMATION ON INGREDIENTS**Hazardous substance(s) or Complex Substance(s) required for disclosure**

<u>Chemical Name</u>	<u>CAS -No</u>	<u>Weight %</u>
Xylene	1330-20-7	60-70
Aromatic Hydrocarbon	64742-95-6	1-10
1,2,4, Trimethyl Benzene	95-63-6	1-10
Ethyl Benzene	100-41-4	1-10

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**Description of necessary first-aid measures**

General Advice	In case of doubt, or when symptoms persist, seek medical attention.
Eye Contact	Immediately flush eyes with plenty of water for at least fifteen (15) minutes. Get medical attention immediately.
Skin Contact	Flush skin with plenty of water. Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleanser.
Inhalation:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular seek medical advice. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.
Ingestion:	Seek medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Protection of First Aiders:	Use personal protection equipment.

Most important symptoms/effects, acute and delayed

Most important symptoms/effects	No information available
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Indication of immediate medical attention and special treatment needed, if necessary

Note to physician	Treat symptomatically
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry chemical, carbon dioxide, and regular foam. For large fires, use foam or flood with fine water spray

Unsuitable Extinguishing media

No information available

Specific Hazards arising from the chemical

Flash Point:	79°F
Flammability Limits (% by volume):	Lower – 1.1%; Upper – 6.4%
Unusual Fire Explosion Hazards:	none

Protective Equipment and Precautions for Firefighters

Wear appropriate self-contained breathing apparatus MSHA/NIOSH (approved or equivalent) and full protective gear. Cool closed containers exposed to fire with water spray. Avoid inhalation of material or combustion by-products; stay upwind.



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6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions:	Avoid breathing vapors. Evacuate personnel to safe areas. Ensure adequate ventilation.
Environmental Precautions:	Avoid release into the environment. Do not allow entrance to drains or water-courses.

Methods and materials for containment and cleaning up

Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Contain the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, and diatomaceous earth. This will soak up the product. Place in a suitable container for disposal in accordance with the waste regulations.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling	Avoid skin and eye contact. Avoid the inhalation of vapor and mist.
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Conditions for safe storage, including any incompatibilities

Storage	Keep away from open flame, hot surfaces and sources of ignition. Keep containers tightly closed. Observe label precautions. Store between 5-25° C in a dry, well ventilated place. Prevent unauthorized access.
Incompatible products	Unknown

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

Exposure Guidelines:

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Xylene 1330-20-7	STEL 150 ppm TWL 100 ppm	TWA 100 ppm TWA 435mg/m3 Vacated TWA 100 ppm Vacated TWA 435 mg/m3 Vacated STEL 150 ppm Vacated STEL 655 mg/m3	

Appropriate engineering controls

Engineering Measures	Showers, eyewash stations, ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/Face protection	None under normal use conditions
Skin and body Protection	None under normal use conditions
Respiratory Protection	None under normal use conditions. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn
Hygiene Measures	Use in a well-ventilated area. When using do not eat, drink, or smoke. Provide regular cleaning of equipment, work areas and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

<u>Property</u>	<u>Value</u>	<u>Remarks/Method</u>
Physical State:	Liquid	None Known
Appearance and Odor:	Opaque color, thin viscosity liquid with Petroleum	None Known



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	odor.	
Odor Threshold:	No Data	None Known
Vapor Density (AIR = 1):	Greater than one (1)	None Known
Vapor Pressure (mm-Hg @ 70°F):	No Data	None Known
Flash Point:	79°F	Tag closed cup
Specific Gravity (H2O=1) @70°F:	>1	None Known
Flammability:	No Data	None Known
Auto-ignition Temperature:	No Data	None Known
Decomposition Temperature:	No Data	None Known
Melting Point:	No Data	None Known
Freezing Point:	No Data	None Known
Boiling Point:	282 to 286°F	None Known
Relative Evaporation Rate (Butyl Acetate = 1):	Less than one (1)	None Known
Solubility in Water:	Negligible	None Known
Log Pow:	No Data	None Known
PH:	No Data	None Known
Viscosity (Kinematic):	No Data	None Known
Viscosity (Dynamic):	No Data	None Known
Explosive limits	No Data	None Known
Explosive Properties	No Data	None Known
Oxidizing Properties	No Data	None Known
Volatile Organic Compound:	629 grams per liter	None Known

Volatile Organic Compounds

<u>Color</u>	<u>Formula</u>	<u>Percentage</u> (% by weight)	<u>g/L</u>
Black	XV-11135	70%	629
Blue	XV-794	70%	629
Red	XV-802	70%	629

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal storage and handling conditions
Possibility of Hazardous reactions	None under normal use
Hazardous Polymerization	Will not occur
Conditions to Avoid	Heat, open flame, sparks, and sources of ignition
Incompatible Materials	Strong oxidizing and reducing agents, strong alkalis and strong acids
Hazardous Decomposition products	Carbon dioxide, carbon monoxide, smoke, soot and various oxidation by-products.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness.
Eye Contact	Irritating to eyes. Causes serious eye irritation.
Skin Contact	Irritating to skin. Causes skin irritation.
Ingestion	Ingestion may cause nausea and vomiting.

<u>Chemical</u>	<u>LD50 oral</u>	<u>LD50 Dermal</u>	<u>LD50 Inhalation</u>
Xylene	3500 mg/kg rat	4350 mg/kg rabbit	29.08 mg/l rat

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	There is no data available on the product itself
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13. DISPOSAL CONSIDERATIONS



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Waste Disposal Methods	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (Ground)

UN-Number	UN1263
Proper Shipping Name	Paint
Hazard Class	3
Packing Group	III
Description	UN1263, Paint, 3, PG III, Limited Quantity
Emergency Response Number	128

IMDG/IMO (Sea)

UN-Number	UN1263
Proper Shipping Name	Paint
Hazard Class	3
Packing Group	III
EmS No.	F-E, S-E
Description	UN1263, Paint, Class 3, PG III (26.11°C c.c.), Limited Quantity

IATA (Air)

UN-Number	UN1263
Proper Shipping Name	Paint
Hazard Class	3
Packing Group	III
ERG Code	3L
Description	UN1263, Paint, 3, PG III, Limited Quantity

15. REGULATORY INFORMATION

TSCA INVENTORY:	The product on this SDS is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.
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US Regulatory Rules:

Section 313 or Title III of SARA. This product contains a chemical, which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

Xylene	1330-20-7
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Hazard categories

Acute Health Hazard	YES
Chronic Health Hazard	YES
Fire Hazard	YES
Sudden release of Pressure Hazard	NO
Reactive Hazard	NO

State Regulation

California Proposition 65	Xylene 1330-20-7 Listed Ethyl benzene 100-41-4 Listed
Massachusetts Right to know List	Xylene 1330-20-7 Listed
New Jersey Right to Know	Xylene 1330-20-7 Listed
Pennsylvania Right to Know	Xylene 1330-20-7 Listed

16. OTHER INFORMATION

HMIS CLASSIFICATION



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Health Hazard:	2
Flammability:	3
Physical Hazard:	0
PPE	B Splash Goggles, Gloves

Health Hazard:	2
Flamability:	3
Physical Hazard:	0
Personal Protection:	B

NFPA CLASSIFICATION

Health Hazard	2
Flammability	3
Reactivity	0
Personal Protection	B



The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Arro-Mark Company, LLC Compliance Department

End of Safety Data Sheet