

SAFETY DATA SHEET

Black MT Ink Roll

SECTION 1: IDENTIFICATION

Product Name: Black MT Ink Roll
Recommended Use: Industrial marking
Manufacturer/Supplier: Universal Stenciling & Marking Systems, Inc.
205 15th Avenue S.E.
Saint Petersburg, FL 33701
Telephone Number: 727-894-3027
Emergency Telephone Number: Infotrac: 1-800-553-5053

SECTION 2: HAZARD IDENTIFICATION

Classification:

Flammable Liquid	Category 2	
Acute toxicity – Oral	Category 4	
Skin Corrosion/Irritation	Category 1	
Serious Eye Damage/Eye Irritation	Category 1	
Skin Sensitisation	Category 1	
Specific Target Organ Toxicity - SE	Category 3	Respiratory System
Aspiration Hazard	Category 1	
Chronic Aquatic Toxicity	Category 1	

Label Elements:

Symbol:



Signal Word: Danger

Hazard Statements:

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash skin and hands thoroughly after handling.
- P270 Do not eat, drink, or smoke when using this product.
- P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.

Response:

- P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370+378 In case of fire: Use...to extinguish.
- P301+330+331 IF SWALLOWED:Rinse mouth. Do NOT induce vomiting.
- P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P363 Wash contaminated clothing before reuse.
- P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
- P302+352 IF ON SKIN: Wash with plenty of water.
- P333+313 If skin irritation or a rash occurs: Get medical advice/attention.
- P362+364 Take off contaminated clothing and wash it before reuse.
- P301+310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P391 Collect Spillage

Storage

- P403+235 Store in a well ventilated place. Keep cool.
- P405 Store locked up.

Disposal:

- P501 Dispose of contents/container to... in accordance with local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

No additional information identified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Percent
Morfast Black 108	-	20-30%
Isobutyl Alcohol	78-83-1	10-15%
2-EthylHexanol	104-76-7	10-15%
d-Limonene	5989-27-5	20-30%

SECTION 4: FIRST AID MEASURES

Inhalation:	Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
Ingestion:	Seek immediate medical attention/advice. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
Eye Contact:	Flush eyes with water for at least 15 minutes while holding eyelids open. When symptoms persist or in all cases of doubt, seek medical advice.
Skin Contact:	Immediately flush with plenty of water, while removing contaminated clothing. When symptoms persist or in all cases of doubt, seek medical advice.
Notes to the Physician:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, foam, carbon dioxide and water fog.
Unsuitable extinguishing media	None identified
Fire hazards/conditions of flammability	Flammable substance.
Explosion data	Not sensitive to mechanical impact or static discharge.
Fire-fighting procedure	Wear protective clothing and respiratory protection (SCBA). Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.
Hazardous combustion products	Oxides of carbon and nitrogen, irritating fumes and smoke.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	All persons dealing with clean-up should wear the appropriate protective equipment expressed in Section 8. Do not eat, drink or smoke while participating in clean up.
Environmental precautions	Ensure spilled product does not enter drains, sewers, waterways or confined spaces. For large spills, dike the area to prevent spreading.
Spill Containment/cleanup	Contain and absorb spilled liquid with non-combustible, inert absorbent material such as vermiculite or sand, then place absorbent material into a container for later disposal. Notify the appropriate authorities as required.
Special spill response procedures	In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Wear suitable protective equipment during handling. Do not ingest. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Conditions for safe storage	Store in a cool, dry, well-ventilated area. Store away from incompatibles, temperature extremes and out of direct sunlight. Inspect periodically for damage or leaks.
Incompatible materials	Strong oxidizing agents; strong reducing agents; acids.
Special packaging materials	Always keep in containers made of the same materials as the supply container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Component Exposure Limits**

Morfast Black		
200 ppm TWA	ACGIH	
200 ppm TWA	OSHA	
Isobutyl Alcohol CAS# 78-83-1		
50 ppm	ACGIH	
100 ppm (300 mg/m ³)	OSHA	
d-Limonene CAS# 5989-27-5		
30 ppm TWA	OSHA	

Appropriate engineering controls	Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.
Respiratory protection	If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Confirmation of which type of respirator is most suitable for the intended application should be obtained from respiratory protection suppliers.
Skin protection	Impervious gloves must be worn when using this product. Advice should be sought from glove suppliers.
Eye/Face protection	Good industrial hygiene practices should be used when handling this product including preventing eye contact and minimizing skin contact and inhalation.
Other protective equipment	As needed to prevent eye contact and minimizing skin contact and inhalation.
General hygiene measures	Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state/Appearance	Black liquid
Odor	Mild solvent smell
Odor Threshold	Not available
Specific gravity	0.9
pH	Not applicable
Initial Boiling point	>95°F
Melting/Freezing point	Not available
Coefficient of water/oil distribution	Not available
Vapor pressure (mm Hg @ 20°C/68°F)	Not available
Vapor density (Air = 1)	Heavier than air
Evaporation rate (n-Butyl acetate = 1)	Slower than n-Butyl acetate
Solubility in water	Slightly

% Volatiles (by weight)	72%
Flash point	21°C, 70°F
Auto-ignition temperature	Not applicable
Lower flammable limit (% by vol)	Not applicable
Upper flammable limit (% by vol)	Not applicable
Flame projection length	Not available
Flashback observed	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Not reactive.
Chemical Stability	Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions	None are known.
Conditions to avoid	Avoid heat and open flame.
Incompatible materials	See Section 7 (Handling and Storage) for further details.
Hazardous decomposition products	None known; refer to hazardous combustion products in Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

There is no available data for the mixture itself, only for the ingredients. See below for individual acute toxicity data.

Routes of Exposure

Skin, Eyes, Ingestion, Inhalation

Acute Toxicity									
Component	CAS Number	Oral LD ₅₀	Oral Units	Oral Animal	Dermal LD ₅₀	Dermal Units	Dermal Animal	Inhalation LD ₅₀	Inhalation Units
Morfast Black 108	-	500	mg/kg	-	-	-	-	-	-
Isobutyl Alcohol	78-83-1	3350	mg/kg	Rat	2460	mg/kg	Rabbit	-	4hr
2-EthylHexanol	104-76-7	2047	mg/kg	Rat	3000	mg/kg	Rat	-	4hr Aerosol
d-Limonene	5989-27-5	2000	mg/kg	Rat	5000	mg/kg	Rabbit	-	-

Skin Corrosion/Irritation

Some components of this product are skin irritants

Serious Eye Damage/Irritation

Some components of this product are eye irritants.

Sensitization

May cause skin sensitization

Germ Cell Mutagenicity

No data available

Carcinogenicity

One or more of the components are listed as carcinogens by NTP, IARC, or OSHA

Reproductive/Developmental Toxicity

None of the components are known reproductive toxicants.

Specific Target Organ Toxicity

Single Exposure Respiratory system
Repeated Exposure No data available

Aspiration Hazard

The mixture poses an aspiration hazard

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity No data is available on the mixture itself.**

Component	Toxicity to Fish	Toxicity to Invertebrates	Toxicity to Algae
Morfast Black 108	-	5.65 mg/L, 48hr	-
Isobutyl Alcohol	1430 mg/L 96hr	1220 mg/L 96hr	1808 mg/L 96hr
2-Ethylhexanol	28.2 mg/L 96hr	39 mg/L 48hr	16.6 mg/L 72hr
d-Limonene	1 mg/L 96hr	1 mg/L 96hr	-

Persistence

No data available on the mixture.

Bioaccumulative potential

No data available on the mixture.

Mobility in Soil

No data available on the mixture.

Other Adverse Effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions Dispose of in accordance with federal, provincial and local waste regulations.
Avoid release to the environment.

SECTION 14: TRANSPORTATION INFORMATION

DOT	Regulated - Flammable
UN Proper Shipping Name	Solid containing a flammable liquid (n-Propanol, Isobutanol)
Hazard Class	4.1
UN Number	UN 3175
Packing Group	II
Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION**SARA Sections 302**

No Extremely Hazardous Substances are present in this mixture.

SARA Section 311 & 312

Acute health hazard.
Chronic health hazard.

SARA Section 313

The following component is subject to reporting levels established by SARA Title III, Section 313:
Morfast Black 108

CERCLA

2-Ethylhexanol 104-82-5 100 lbs

TSCA

All components of this product are either listed or are exempt on the TSCA inventory.

The following components of this product are subject to the reporting requirements of Section 12(b) of TSCA:

None

Component Analysis – State								
Component	CAS #	CA	MA	MN	PA	RI	NJ	LA
Morfast Black 108	-	N	N	N	Y	N	Y	N
Isobutyl Alcohol	78-83-1	N	N	N	N	N	N	N
2-EthylHexanol	104-76-7	N	Y	N	Y	N	Y	N
d-Limonene	5989-27-5	N	N	N	N	N	N	N

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Revision Information: 5/28/2019

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.