



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Aqueous Amido Black		DATE: August 01, 2011	
PRODUCT NUMBER: 1-2740 (100xxx), 1-2741 (100xxx)			
TRADE NAME: Aqueous Amido Black GENERAL USE: Blood-contaminated printing CHEMICAL FAMILY: Amido Black Solution PRODUCT DESCRIPTION: Dark blue liquid with pungent acetic odor.			
MANUFACTURER: Safariland LLC		DATE PREPARED: August 1, 2011	
		SUPERSEDES: August 27, 2008	
ADDRESS (NUMBER, STREET, P.O. BOX) 13386 International Parkway		TELEPHONE NUMBER FOR INFORMATION / Customer Service 800-347-1200	
(CITY, STATE AND ZIP CODE) Jacksonville, FL. 32218		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER	
COUNTRY USA		 1-800-255-3924 01-813-248-0585 North America Toll Free International	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
This product is an irritant to the eyes, skin, and mucous membranes.

POTENTIAL HEALTH EFFECTS

INHALATION:
May cause irritation and damage to the respiratory tract. Symptoms may include coughing and shortness of breath.

SKIN:
Irritation, burns, rash, hypersensitivity.

EYES:
May cause irritation, redness and pain.

INGESTION:
Product should be treated as toxic by ingestion.

CARCINOGENICITY:

NTP? NO	IARC MONOGRAPHS? NO	OSHA REGULATED? NO
CALIFORNIA, Prop.65? NO		

SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
Glacial Acetic Acid	2-6	64-19-7	200-580-7	None	None
Formic Acid	2-6	64-18-6	200-579-1	Xi	R36/38

Notes:

SECTION 4 - FIRST AID MEASURES

INHALATION:
Remove victim to fresh air. Seek immediate medical assistance. Get medical attention for any breathing difficulty.

EYES:
Flush with water for 15 minutes occasionally lifting the eyelids. Seek medical attention.

SKIN:
Wash with non-abrasive soap and water. Use deluge shower as needed. Seek medical attention for any skin damage.

INGESTION:
Do not induce vomiting. Give plenty of water if victim is conscious and able to swallow. Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS:
Heated product may form toxic and corrosive fumes, but is not expected to be a fire hazard.

EXTINGUISHING MEDIA:
Use media appropriate for surrounding fire. Water may be used to cool product and reduce fumes.

FIRE FIGHTING PROCEDURES:
Emergency responders should wear bunker gear and NIOSH or European EN-149 organic vapor respirators. Avoid exposure to decomposition products (29CFR 1910.156). Proper eye and skin protection should also be used.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Heating may produce toxic and corrosive fumes.

HAZARDOUS COMBUSTION PRODUCTS:
Carbon Oxides, Nitrogen Oxides, Organic Compounds

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

For small spills, suit up in personal protective equipment, mop up solution, and place in SEALED container. Flush spill area with plenty of water. For large spills, evacuate area and contact authorities to perform cleanup.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container tightly closed. Containers of this material may be hazardous when empty since they retain product residues; observe all warnings and precautions listed for the product.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TLV/TWA ppm	TWA mg/m ³	PEL ppm	PEL mg/m ³
Glacial Acetic Acid	10	25	15	37	10	25	10	25
Formic Acid	5	9	10*	19*	5	9	5	9

* - ACGIH data for STEL (formic acid).

PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Highly recommended. Use NIOSH or E.U. EN149 standard approved dust respirators for areas where general ventilation is not possible or is insufficient.

PROTECTIVE GLOVES:

Wear gloves while handling product to avoid irritation.

EYE PROTECTION:

Safety glasses or splash goggles are required for handling product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Eye wash station in the event of eye contact with material. Protective apron in case of splash hazard.

WORK / HYGIENIC PRACTICES:

Employ good, industrial hygiene practices by using adequate ventilation and personal protection, as needed. Do not smoke, eat, or drink while handling product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Dark blue liquid with pungent acetic odor.	VAPOR PRESSURE NE
pH NA	SPECIFIC GRAVITY (WATER = 1) NE
BOILING POINT NE	SOLUBILITY IN WATER Complete
FLASH POINT NE	PERCENT VOLATILE 98%
FLAMMABLE LIMITS LEL: NE UEL: NE	VAPOR DENSITY (AIR = 1) NE
AUTO-IGNITION TEMPERATURE NE	EVAPORATION RATE (WATER = 1) NE

SECTION 10 - STABILITY AND REACTIVITY

STABILITY STABLE X	CONDITIONS TO AVOID: Excessive heat
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INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, Strong Bases

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Oxides of Carbon, Oxides of Nitrogen

HAZARDOUS POLYMERIZATION:

Will not occur.

CONDITIONS TO AVOID:

None related to polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Glacial Acetic Acid	64-19-7	Oral, Rat: LD50 = 3310 mg/kg	Inhalation, Mouse: LC50= 5620ppm / 1 hour
	200-580-7		
Formic Acid	64-18-6	NR	Inhalation, Mouse: LC50= 6200 mg/m ³ / 15 minutes
	200-579-1		

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SECTION 12 - ECOLOGICAL INFORMATION

Environmental information on product has not been established. Treat product as hazardous. DO NOT RELEASE PRODUCT INTO BODIES OF WATER OR SEWER SYSTEMS.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of product waste as well as containers in accordance with all local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Formic Acid, ≥ 5% But <10% Acid

DOT HAZARD CLASS / Pack Group: 8 / III

Hazard Identification Number (HIN): 80

REFERENCE: 49 CFR

RID/ADR Dangerous Goods Code: 80

UN / NA IDENTIFICATION NUMBER: UN 3412

UN TDG Class / Pack Group: 8 / III

LABEL: Corrosive

IMDG HAZARD CLASS: 8

HAZARD SYMBOLS:



IATA HAZARD CLASS / Pack Group: 8/ III - Max Quantities
 1L - Passenger (TOTAL)
 60L - Cargo Only (TOTAL)

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): Yes

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act): Yes _ Sections 311 and 312.

Acute Health: Yes

Chronic Health: Yes

Fire: No

Sudden Release of Pressure: No

Reactive: No

313 REPORTABLE INGREDIENTS: Yes - Formic Acid(CAS #64-18-6) is reportable.

CERCLA (USA - Comprehensive Response Compensation and Liability Act): Yes-RQ for Acetic Acid=5000 lbs. RQ for Formic Acid=5000 lbs.

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: Not listed.

State Right to Know: Acetic Acid: MA,NJ,PA; Formic acid: MA,MN, NJ, PA, RI

CIDL (Canadian Ingredient Disclosure List): Listed.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List Components listed on DSL):

EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced.

WGK Water Quality Index: 2

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
R36/38 : Irritating to eyes and skin.		S1/2 : Keep locked up and out of the reach of children. S23 : Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer). S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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Legend: NA= Not applicable, NE= Not established, ND= Not determined.

HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	2 0 1 H	0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH 4 = EXTREME
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REVISION SUMMARY:
Revised to EU compliance 8/1/2011. LB/JTV

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.