

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT NAME AND MANUFACTURER

PRODUCT NAME: MATTHEWS INK BUSTER SYSTEM SCRUB

MSDS NO. 200011

MATTHEWS INTERNATIONAL CORPORATION  
GRAPHIC SYSTEMS DIVISION  
252 Park West Drive  
Pittsburgh, PA 15275  
(412) 788-2111

## II. PRODUCT INGREDIENTS

INGREDIENTS	%	CAS NO.	PEL	TLV	LD50	LC50
Water	60-100	7732-18-5	NE*	NE*	ND*	ND*
Hydroxyacetic Acid	5-10	79-14-1	NE*	NE*	1.95g/kg	7.7mg/l (4HR)
Isopropanol	1-5	67-63-0	400ppm	400ppm	5.8g/kg	ND*
Nonionic Surfactant	1-5	NA*	NE*	NE*	ND*	ND*

\* - NA: Not Applicable  
ND: Not Determined  
NE: Not Established

## III. POTENTIAL HEALTH EFFECTS

### EMERGENCY OVERVIEW:

EYES: May cause irritation.  
SKIN: May cause irritation.  
INHALATION: Prolonged exposure in poorly ventilated area may irritate nasal mucous membranes.  
INGESTION: Can cause gastrointestinal irritation, nausea, and diarrhea.

## IV. FIRST AID

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally, for at least 15 minutes.  
SKIN: Immediately flush the affected area with mild soap and large amounts of water.  
INHALATION: Remove to fresh air immediately and rest. In all cases if symptoms persist, seek medical attention immediately.  
INGESTION: Give 2-3 glasses of water. If swallowed, do not induce vomiting. Call poison control center, hospital emergency room or physician immediately.

NOTE TO PHYSICIAN: No additional information.

## V. FIREFIGHTING INSTRUCTIONS

FLASH POINT (Method Use): Not Applicable  
FLAMMABLE LIMITS: Not Applicable  
AUTO-IGNITION TEMPERATURE: Not Applicable  
EXTINGUISHING MEDIA: Use dry chemical or CO2.  
SPECIAL PROCEDURES: None.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

## VI. ACCIDENT RESPONSE MEASURES

CHEMTREC TELEPHONE: 800-424-9300 NATIONAL SPILL RESPONSE CENTER: 800-424-8802  
SPILL: In case of spill or release, collect and reuse if possible. Dilute and flush to sewer with large quantities of water, if permitted by regulatory authorities, or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

## VII. SAFE HANDLING AND STORAGE

Store in a cool, dry area. Follow good housekeeping practices. Keep out of the reach of children.

## VIII. ENGINEERING CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only with adequate ventilation.  
RESPIRATORY: None normally required with adequate room ventilation.  
GLOVES: Rubber for prolonged use.  
EYE / FACE: Chemical splash goggles.  
OTHER PPE: Wear protective clothing to prevent wetting of clothing. Eyewash facility, safety shower is recommended.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: 210°-220° F, 99°-104° C  
VAPOR PRESSURE: (mmHG): <30  
pH: 1.5 – 3.0 (1% pH 2.8)  
VOLATILE BY VOLUME: 94%  
SOLUBLE IN WATER? Completely

FREEZING POINT: 32° F, 0° C  
VAPOR DENSITY (Air =1): <1  
SPECIFIC GRAVITY (H2O =1): 1.02 (8.51 lb/gal)  
VOCs: 1.0 %  
ODOR AND APPEARANCE: Colorless, bland liquid

**X. STABILITY AND REACTIVITY**

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Strong oxidizers or alkaline materials.
INCOMPATIBILITY:	Strong oxidizers or alkaline materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	None known.
HAZARDOUS POLYMERIZATION:	Will not occur.

**XI. TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL SYNERGISTIC PRODUCTS: None known.  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.  
CARCINOGENIC AFFECTS: No carcinogenic effect.  
MUTAGENIC AFFECT: No mutagenic effect.  
TERATOGENIC AFFECT: No teratogenic effect.  
REPRODUCTIVE TOXICITY: NO reproductive toxicity effect.  
SENSITIZATION: Not expected to occur under normal use conditions.

**XII. ECOLOGICAL INFORMATION**

Product is mildly acidic, and completely soluble in water. When diluted with a large amount of water, this material released directly or indirectly into the environment is not expected to have a significant impact.

**XIII. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state, provincial and local regulations. Do not allow runoff into public waterways.

**XIV. TRANSPORTATION INFORMATION**

US DOT DESCRIPTION: Non-regulated material.

**XV. REGULATORY INFORMATION**

OSHA HAZARD COMMUNICATION STANDARD: Isopropanol and Hydroxyacetic Acid are considered hazardous ingredients.  
HMIS: Health 1 Flammability 0 Reactivity 0 MAX PPE: B (Goggles and gloves)  
CLEAN AIR ACT: This product contains no hazardous air pollutants regulated under Section 112 of the 1990 CAA.  
CERCLA/SARA 40 CFR 117, 302: No extremely hazardous substances are contained in this product.  
REPORTABLE QUANTITIES: NA  
SECTION 311/312 HAZARD CATEGORIES: Chronic  
SECTION 313 CHEMICALS: NA  
STATE REGULATIONS: None identified  
WHMIS: D2B

**XVI. OTHER INFORMATION**

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