

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name: IN-C-1718 Black

General Use: Metal Etching Ink

Manufactured for:

Hitt Marking Devices
3231 W. MacArthur Blvd.
Santa Ana, CA 92704

Phone: 1-714-979-1405

Website: www.HittMarking.com

24 hr. Emergency Telephone Number

Infotrac 1-800-535-5053

SECTION 2 - HAZARDS IDENTIFICATION

DANGER: TOXIC



Risk Statements: Skin: Contact may cause irritation, burns and poisoning. Eye contact: May cause severe eye damage. Marked irritation of nose and throat, dizziness, headache. Can produce severe burns and lung edema. Can cause nausea, vomiting and severe burning sensation and systemic poisoning.

Safety Statements: Avoid contact with skin and eyes. Keep container tightly closed. Keep away from sources of ignition. No smoking!

Potential Health Effects:

Acute: Severe irritation of eyes, nose, throat and skin. High concentrations may cause acute lung damage/edema. Ingestion will have high risk effects. Blood disturbances. Chronic: Excessive exposure may cause cumulative, long-term liver, cardiovascular and kidney damage.

SEE SECTIONS 8, 11 - The hazards are based on 100% of the contained materials. They may be reduced by their lower concentration.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	WEIGHT PERCENT
*CRESYLIC ACID	1319-77-3	58
*ANILINE	62-53-3	6
BISMUTH TRICHLORIDE 995	7787-60-2	<5.0%
*ANTIMONY TRICHLORIDE	10025-91-9	3
*HYDROCHLORIC ACID 20BE	7647-01-0	7

SECTION 4 - FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. TREAT SYMPTOMS. CONSULT A PHYSICIAN.

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DRINK WATER TO DILUTE, DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES: WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT EXPLOSION WHEN EXPOSED TO EXTREME HEAT. FULL PROTECTIVE EQUIPMENT MAY BE NEEDED TO PROTECT FIREFIGHTERS FROM HAZARDOUS COMBUSTION PRODUCTS

UNUSUAL FIRE AND EXPLOSION HAZARDS: DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

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===== SECTION 6 – ACCIDENTAL RELEASE MEASURES =====

STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OF VAPOR IGNITION. VENTILATE AREA. AVOID BREATHING VAPORS. CAREFULLY NEUTRALIZE WITH ALKALI, SUCH AS SODA ASH OR LIME. REMOVE BY SUITABLE INERT ABSORBING MATERIAL.

===== SECTION 7 – HANDLING & STORAGE =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP CONTAINERS CLOSED WHEN NOT IN USE, AND KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID EXCESSIVE INHALATION OF VAPOR OR MIST.

OTHER PRECAUTIONS

IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE, HANDLE WITH CARE AND AVOID UNNECESSARY CONTACT. USE ONLY WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY. HMIS PERSONAL PROTECTIVE EQUIPMENT IS DEPENDENT UPON CONDITIONS OF USE.

===== SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION =====

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	
	OSHA PEL	ACGIH TLV
*CRESYLIC ACID	5 PPM SKIN	5 PPM SKIN
*ANILINE	5 PPM SKIN	5 PPM SKIN
BISMUTH TRICHLORIDE 995	N/A	N/A
*ANTIMONY TRICHLORIDE	.5 MG/M3	.5 MG/M3
*HYDROCHLORIC ACID 20BE	5 PPM CEIL	5 PPM CEIL

CONTROL MEASURES: SUFFICIENT VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW CURRENT ACGIH TLV LIMITS.

RESPIRATORY PROTECTION: WHEN USED WITH ADEQUATE VENTILATION, NONE NORMALLY REQUIRED. HOWEVER, WHEN REQUIRED, ITS USE MUST BE IN COMPLIANCE WITH ALL OSHA HEALTH AND FIT TESTING REQUIREMENTS, AS GIVEN IN 29CFR 1910.134. WILL PRODUCE TOXIC VAPORS.

PROTECTIVE CLOTHING: USE OF RUBBER OR PLASTIC GLOVES RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE PROTECTIVE CREAM WHEN SKIN CONTACT IS LIKELY.

EYE PROTECTION: SAFETY EYEWEAR SHOULD BE AVAILABLE TO AVOID ACCIDENTAL CONTACT

WORK / HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, DRINKING OR SMOKING. NO SMOKING IN WORK AREA.

===== SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES =====

BOILING POINT: 122 to 772 DEG. F. **SPECIFIC GRAVITY (H2O=1):** 1.1
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
MATERIAL V. O. C. : 6.04 LB/GL (724 G/L) **VAPOR PRESSURE:** 30.0 mm Hg @ 77 deg. F
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: VISCOUS COLORED LIQUID, PUNGENT ODOR
FLASH POINT: 158 Deg. F **METHOD USED:** CLOSED CUP
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.3% **UPPER:** N/A

===== SECTION 10 – STABILITY AND REACTIVITY =====

STABILITY: STABLE

CONDITIONS TO AVOID: SPARKS AND OPEN FLAME. ACID REACTS WITH MANY METALS TO PRODUCE HYDROGEN GAS WHICH IS A SERIOUS FIRED & EXPLOSIVE HAZARD.

INCOMPATIBILITY (MATERIALS TO AVOID) CONTACT WITH METALS, ALKALIES, AMINES AND OXIDIZERS MAY LIBERATE TOXIC GASES.

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HYDROGEN CHLORIDE EVOLUTION IS ACCELERATED BY HEATING. MAY PRODUCE ANTIMONY AND OTHER HAZARDOUS FUMES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== **SECTION 11 – TOXICOLOGICAL INFORMATION** =====

INDIVIDUAL INGREDIENT HAZARDS

CRESYLIC ACID - INGESTION: LD50, 242 MG/KG - RAT. SKIN ABSORPTION: LD50, 2,000 MG/KG - RABBIT. INHALATION: LC50, NDA
HYDROCHLORIC ACID - INGESTION: LD50, 900 MG/KG. - RABBIT. SKIN ABSORPTION: LD50, NDA. INHALATION: LC50, 3/24 PPM - RAT
ANILINE - INGESTION: LD50, 250 MG/KG - RAT. SKIN ABSORPTION: 820 MG/KG - RABBIT, INHALATION: NDA.

CARCINOGENICITY: NTP? NO? IARC MONOGRAPHS? NO OSHA REGULATED? NO
NONE CURRENTLY KNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY IRRITATION, DERMITITIS AND NAUSEA.

===== **SECTION 12 – ECOLOGICAL INFORMATION** =====

NDA

===== **SECTION 13 – DISPOSAL INFORMATION** =====

WASTE DISPOSAL METHOD: IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REFER TO SDS CAUTION INFORMATION BEFORE ATTEMPTING CLEANUP.

===== **SECTION 14 – TRANSPORTATION INFORMATION** =====

DOT PROPER SHIPPING NAME: TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S., (CRESYLIC ACID)

PACKING GROUP: II

DOT HAZARD CLASS: 6.1 (8)

DOT UN/NA NUMBER: UN 2927

HAZARD SUBCLASS: CORROSIVE

EMERGENCY RESPONSE GUIDE NO. 59

THE LISTED TRANSPORTATION INFORMATION APPLIES ONLY TO GROUND TRANSPORT AND DOES NOT ADDRESS REGULATORY VARIATIONS DUE TO CHANGES IN PACKAGE SIZE, MODE OF SHIPMENT, OR OTHER REGULATORY DESCRIPTORS.

===== **SECTION 15 – REGULATORY INFORMATION** =====

TOXIC SUBSTANCES CONTROL ACT: ALL OF THE INGREDIENTS ARE LISTED IN THE TSCA INVENTORY.

SARA 313: CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SEC. 313, ETC. - CRESYLIC ACID, ANILINE, ANTIMONY TRICHLORIDE, HYDROCHLORIC ACID

===== **SECTION 16 – OTHER INFORMATION** =====

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN WERE OBTAINED FROM SOURCES BELIEVED TO BE GENERALLY RELIABLE, BUT, WE MAKE NO WARRANTY CONCERNING THEIR ACCURACY OR SUFFICIENCY, AND WE WILL NOT BE HELD LIABLE FOR CLAIMS RELATING TO ANY PARTY'S USE OF OR RELIANCE ON INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

DATE: 01/01/22

HMIS CODES: H – 3*, F – 2, R – 0, P –

LEGEND: **NDA** – NO DATA AVAILABLE **N/D** - NOT DETERMINED **N/E** – NOT ESTABLISHED