

MATERIAL SAFETY DATA SHEET  
IBI/SHELTON SCIENTIFIC  
230 LONG HILL CROSS RD  
SHELTON, CT  
06484

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MANUFACTURER'S NAME: IBI/SHELTON SCIENTIFIC  
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SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CODE: IB48010, IB48013, IB48020, IB48023, IB48103  
NAME: Flex-Tube kit 3.5K, 6-8K Kit, Sample kit 3.5K, Sample Kit 6-8K, MS Buffer

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME	%	CAS #:	EINECS #:
Potassium Acetate	29%	127-08-2	204-822-2
Sodium Deoxycholate	1%	76-03-9	200-927-2
Trichloroacetic Acid	20%	302-95-4	206-132-7

SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

TRICHLOROACETIC ACID

CORROSIVE

ANIMAL CARCINOGEN.

HARMFUL IF SWALLOWED. MAY CAUSE SEVERE & PERMANENT DAMAGE TO DIGESTIVE TRACT.

SEVERE BURNS TO EYES AND SKIN.

CAUSES SEVERE IRRITATION BY INHALATION AND SKIN CONTACT.

READILY ABSORBED THROUGH SKIN.

AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

DO NOT BREATHE VAPOR.

SECTION 4. ----- FIRST-AID MEASURES -----

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 30 MINUTES **DO NOT RUB EYES! Get medical attention**

SKIN WASH WITH SAOP AND WATER FOR 15 MINUTES SEEK MEDICAL ATTENTION REMOVE CONTAMINATED CLOTHING AND SHOES.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SWALLOWED, DO NOT INDUCE VOMITING IF CONSCIOUS GIVE 2-4 CUPFULS OF MILK OR WATER WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. GET

MEDICAL ATTENTION.

CALL A PHYSICIAN IMMEDIATELY.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS.

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

NFPA Rating Health 3: Flammability 0:

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

EVACUATE AREA.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE-----

REFER TO SECTION 8.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

DO NOT BREATHE VAPOR.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE AWAY FROM INCOMPATIBLE SUBSTANCES.

CORROSIVE AREA. KEEP AWAY FROM STRONG BASES.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR

LIQUID.

SECTION 10. -----STABILITY AND REACTIVITY -----

STABILITY

STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINER.

CONDITIONS TO AVOID

DO NOT HEAT OVER:

50 DEGREES C

AVOID DUST GENERATION

MOISTURE

OXIDIZERS

INCOMPATIBILITIES

AVOID CONTACT WITH STRONG BASES.

OXIDIZING AGENTS

ALKALI METALS I.E. SODIUM, POTASSIUM AND CALCIUM

STORE AWAY FROM HEAT AND DIRECT SUNLIGHT.

MAY POLYMERIZE ON EXPOSURE TO LIGHT.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

HYDROGEN CHLORIDE

IRRITATING AND TOXIC FUMES AND GASES  
CHLORINE  
PHOSGENE GAS  
CHLOROFORM  
CONDITIONS TO AVOID  
DO NOT HEAT OVER:  
50 DEGREES C

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

CAUSES EYE BURNS.  
CAUSES SEVERE IRRITATION TO MUCOUS MEMBRANES AND UPPER  
RESPIRATORY TRACT.  
CAUSES SKIN BURNS.  
MAY CAUSE ALLERGIC REACTION.

CHRONIC EFFECTS

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE  
PROBABLY CARCINOGENIC BASED ON ITS IARC, OSHA, ACGIH, NTP OR EPA  
CLASSIFICATION.  
MAY ALTER GENETIC MATERIAL.

ADDITIONAL INFORMATION

RTECS #: AJ7875000

TRICHLOROACETIC ACID

IRRITATION DATA

EYE-RBT 3500 UG/5S SEVERE

SKIN-RBT 210 UG/MILD

ACGIH: A3-ANIMAL CARCINOGEN

IARC: IARC GROUP 3- NOT CLASSIFIED

EPIDEMIOLOGY: NO INFORMATION

REPRODUCTIVE EFFECTS: NO INFORMATION AVAILABLE

TERATOGENICITY: NO INFORMATION AVAILABLE

NEUROTOXICITY: NO INFORMATION AVAILABLE

MUTAGENICITY: NO INFORMATION AVAILABLE

OTHER STUDIES: NO DATA AVAILABLE

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

CHEMICAL WASTE GENERATORS MUST DETERMINE WHETHER A DISCARDED  
CHEMICAL IS CLASSIFIED AS A HAZARDOUS WASTE. US EPA GUIDELINES FOR THE  
CLASSIFICATION DETERMINATION ARE LISTED IN THE 40 CFR PARTS 261.3. ADDITIONALLY,  
WASTE GENERATORS MUST CONSULT STATE AND LOCAL WASTE REGULATIONS TO  
ENSURE COMPLETE AND ACCURATE CLASSIFICATION.

RCRA P SERIES: NONE LISTED

RCRA U-SERIES: NONE LISTED

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

UN#: 1939

PROPER SHIPPING NAME: TRICHLOROACETIC ACID

PG: II

CLASS: 8

SECTION 15. ----- REGULATORY INFORMATION ----- PAGE 4 OF 4

**TSCA**

CAS# 76-03-9 IS LISTED ON THE TSCA INVENTORY  
HEALTH & SAFETY REPORTING LIST

NONE OF THE CHEMICALS ARE ON THE HEALTH & SAFETY LIST

CHEMICAL TEST RULES

NONE OF THE CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL TEST RULES

SECTION 21b

NONE OF THE CHEMICALS ARE LISTED UNDER TSCA SECTION 21b

TSCA SIGNIFICANT NEW USE RULE

NONE OF THE CHEMICALS IN THIS MATERIAL HAVE SNUR UNDER TSCA

**SARA**

CERLA HAZARDOUS SUBSTANCE AND CORRESPONDING RQS

NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ

SARA SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES

NONE OF THE CHEMICALS IN THIS PRODUCT HAVE A TPQ

SARA CODES

CAS# 76-03-9; ACUTE

SECTION 313

NO CHEMICALS ARE REPORTABLE UNDER SECTION 313

**CLEAN AIR ACT**

THIS MATERIAL DOES NOT CONTAIN ANY HAZARDOUS AIR POLLUTANTS. THIS

MATERIAL DOES NOT CONTAIN ANY CLASS 1 OZONE DEPLETORS. THIS MATERIAL DOES

NOT CONTAIN ANY CLASS 2 OZONE DEPLETORS.

**CLEAN WATER ACT:**

NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS HAZARDOUS SUBSTANCES

UNDER THE CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED AS PRIORITY

POLLUTANTS UNDER THE CWA. NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED

AS TOXIC POLLUTANTS UNDER THE CWA.

**OSHA:**

NONE OF THE CHEMICALS IN THIS PRODUCT ARE CONSIDERED HIGHLY HAZARDOUS BY

OSHA.

**STATE:**

CAS3 76-03-9 CAN BE FOUND ON THE FOLLOWING STATE RIGHT TO KNOW LISTS: CA, NJ,

FL, PA, MN & MA.

CALIFORNIA NO SIGNIFICANT RISK LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT

ARE LISTED

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IBI SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.