



Material Safety Data Sheet

HAZARD WARNIN WARNIN WARNIN WARNIN Chemical Name Catalog Number Synonym Chemical Formula	Toxic compo this material	ound, do not inge skin, eyes, and th c material. naterial. uct and Col	ne respiratory	system.		
Chemical Name Catalog Number Synonym	Mestran		mpany Ide	entificat	tion	
Catalog Number Synonym		ol				
Synonym	M0728					
		M0728 3-Methylethynylestradiol			92 92	TCI America 9211 N. Harborgate St. Portland OR 1-800-423-8616
Chemical Formula	3-Methylethynyl					
	$C_{21}H_{26}O_2$					
CAS Number	72-33-3	72-33-3			Emergency (Chemtrec® 800) 424-9300 (U.S.) 703) 527-3887 (Internation
Section II.	Composition a					
Chemical	Name	CAS Number	Percent (%)	-	TLV/PEL	Toxicology Data
Mestra	inol	72-33-3		a possible of is no accep for a carcino compound i possible mu	al is classified as arcinogen. There table exposure limit ogen. This s classified as a utagen. There is no exposure limit for a	Rat LD_{50} (oral) >10000mg/kg Mouse LD_{50} (oral) >10000mg/kg Rat LD_{50} (intraperitoneal) >3000mg/kg
Section III.	Hazards Identi	ification	•	·		·
Chronic Health Effects	CARCINOGENIC MUTAGENIC EFF TERATOGENIC E Tumorogenic- Equ rat (oral) 2400ug/k Tumorogenic- Equ DEVELOPMENTA	uivocal tumorogenic g/17 weeks continu uivocal tumorogenic AL TOXICITYReprod	ailable. ble. by RTECS criter ous. by RTECS criter ous: by RTECS criter ductive: woman	ria [′] ria.	ng/kg/84 weeks con g. Duration: female	tinuous. 20 days prior to mating.
	rat (oral) 1mg/kg. Effects on fertility- mouse (oral) 3mg, Effects on fertility- mouse (oral) 250u Effects on fertility-	re to an highly toxic	of pregnancy. lortality. e 1 day of pregal fertility. ale 4-8 days of p	pregnancy.	al deterioration of h	nealth by an accumulation in one
Section IV.	First Aid Meas	ures				
				use an eye o	itment. Flush eyes	ater for at least 15 minutes. keep with running water for a minimum
Eye Contact			per eyelids. See	ek medical at	ention. Treat symp	tomatically and supportively.

Emergency phone number (800) 424-9300

Chemi		Mestranol	Page			
Inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. WARNING: It may b dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectiou or corrosive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically an supportively.					
Ingestion	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic materia was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible show the chemical label. Treat symptomatically and supportively.					
Section V. F	Fire and Explosion Data					
Flammability	May be combustible at high temperature.	Auto-Ignition	Not available.			
Flash Points	Not available.	Flammable Limits	Not available.			
Combustion Products	These products are toxic carbon oxides (CC	0, CO 2).				
Fire Hazards	No specific information is available regarding the flammability of this compound in the presence of various materials.					
Explosion Hazards	Risks of explosion of the product in presenc	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. No additional information is available regarding the risks of explosion.				
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO ₂ , w LARGE FIRE: Use water spray, fog or foar					
Section VI.	Accidental Release Measures	5				
Spill Cleanup Instructions	Toxic material. Irritating material. Carcinoge In case of a spill and/or a leak, always shu shovel to put the material into a convenient assistance on disposal.	t off any sources of ignition, ve				
Section VII. H	landling and Storage					
Handling and Storage Information	and sources of ignition. Mechanical exhaus place. Avoid excessive heat and light. D	st required. When not in use, t O NOT ingest. DO NOT brea and show the container or the la	and minimize exposure. Keep away from heat ightly seal the container and store in a dry, coo the dust. Wear suitable protective clothing. It abel. Treat symptomatically and supportively.			
Section VIII.	Exposure Controls/Personal	Protection				
Engineering Controls		perations generate dust, fume	ering controls to keep airborne levels below e or mist, use ventilation to keep exposure to			
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Be sure to use a MSHA/NIOSH approved respirator o equivalent. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.					
Exposure Limits	This chemical is classified as a possible carcinogen. There is no acceptable exposure limit for a carcinogen. This compound is classified as a possible mutagen. There is no acceptable exposure limit for a mutagen.					
Section IX. F	Physical and Chemical Prope	rties				
Physical state @ 20°C	White powder.	Solubility	Not available.			
Specific Gravity	Not available.					
Molecular Weight	310.43	Partition Coefficient	Not available.			
Boiling Point	Not available.	Vapor Pressure	Not available.			
Melting Point	153 to 155°C (307.4 to 311°F)	Vapor Density	Not available.			
Refractive Index	Not available.	Volatility	Not available.			
	Not available					
Critical Temperature	Not available.	Odor	Not available.			

Mestranol Page 3
Stability and Reactivity Data
This material is stable if stored under proper conditions. (See Section VII for instructions)
y Avoid excessive heat and light.
Reactive with strong oxidizing agents, acid anhydrides.
Toxicological Information
RC8960000
Eye contact. Ingestion. Inhalation. Skin contact.
Rat LD₅₀ (oral) >10000mg/kg Mouse LD₅₀ (oral) >10000mg/kg Rat LD₅₀ (intraperitoneal) >3000mg/kg
CARCINOGENIC EFFECTS : Not available. MUTAGENIC EFFECTS : Not available. TERATOGENIC EFFECTS : Tumorogenic: rat (inrtaperitoneal) 61mg/kg/84 weeks continuous. Tumorogenic- Equivocal tumorogenic by RTECS criteria rat (oral) 2400ug/kg/17 weeks continuous. Tumorogenic- Equivocal tumorogenic by RTECS criteria. DEVELOPMENTAL TOXICITYReproductive: woman (oral) 20ug/kg. Duration: female 20 days prior to mating. Effects on fertility- Other measures of fertility. rat (oral) 1mg/kg. Duration: 2-3 days of pregnancy. Effects on fertility- Pre-implantation mortality. mouse (oral) 3mg/kg. Duration: female 1 day of pregancy. Effects on fertility- Other measures of fertility. mouse (oral) 250ug/kg. Duration: female 4-8 days of pregnancy. Effects on fertility- litter size. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Toxic if ingested or inhaled. Avoid prolonged contact with this material. Overexposure may result in serious illness or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.
5

Section XII.	Ecological Information
Ecotoxicity	Not available.
Environmental Fate	Not available.
Section XIII.	Disposal Considerations
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of the substance.
Section XIV.	Transport Information
DOT Classification	Not a DOT controlled material (United States).
PIN Number	Not applicable.
Proper Shipping Name	Not applicable.
Packing Group (PG)	Not applicable.
DOT Pictograms	\bigotimes

M0728

Mestranol

Page 4

Section XV. Ot	her Regulatory Information and Pictograms
TSCA Chemical Inventory (EPA)	 This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list: (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec. (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.
WHMIS Classification (Canada)	Not available.
EINECS Number (EEC)	200-777-8
EEC Risk Statements	R23/24/25- Toxic by inhalation, in contact with skin and if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin. R45- May cause cancer. R46- May cause heritable genetic damage.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

Version 1.0 Validated on 4/16/1999. Printed 3/9/2005.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are that their potential handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

Printed 3/9/2005.