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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 17346

NAME: 3-Methyl-4-nitroaniline

SYNONYMS: 3-Amino-6-nitrotoluene
5-Amino-2-nitrotoluene
4-Nitro-*m*-toluidine

24 HOUR EMERGENCY TELEPHONE: (800) 535-5053 (USA)
352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE: (630) 766-2112

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

OSHA HAZARDS NO DATA AVAILABLE

TARGET ORGANS NO DATA AVAILABLE

GHS CLASSIFICATION NO DATA AVAILABLE

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS
PICTOGRAM



SIGNAL WORD TOXIC

HAZARD STATEMENT(S) NO DATA AVAILABLE

PRECAUTIONARY STATEMENT(S) NO DATA AVAILABLE

HMIS CLASSIFICATION NO DATA AVAILABLE

NFPA RATING NO DATA AVAILABLE

POTENTIAL HEALTH EFFECTS

INHALATION TOXIC IF INHALED. INHALATION CAUSES IRRITATION OF THE LUNGS AND RESPIRATORY SYSTEM.

SKIN IRRITATING TO SKIN. SKIN INFLAMMATION IS CHARACTERIZED BY ITCHING, SCALING, AND REDDENING, OR OCCASIONALLY, BLISTERING.

EYES IRRITATING TO EYES. INFLAMMATION OF THE EYE IS CHARACTERIZED BY REDNESS, WATERING, AND ITCHING.

INGESTION TOXIC IF INGESTED

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MF: $C_7H_8N_2O_2$

MW: 152.15

CAS-NO. 611-05-2

PURITY: $\geq 98\%$ (GC)

SECTION 4. FIRST-AID MEASURES

GENERAL ADVICE CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA

IF INHALED IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING

CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN SHOES BEFORE REUSE. GET MEDICAL ATTENTION IMMEDIATELY.

IN CASE OF EYE CONTACT	CHECK FOR AND REMOVE ANY CONTACT LENSES. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
IF SWALLOWED	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 WASITBAND. IF THE VICTIM IS NOT BREATHING, PERFORM MOUTH-TO-MOUTH RESUSCITATION. EXAMINE THE LIPS AND MOUTH TO ASCERTAIN WHETHER THE TISSUES ARE DAMAGER, A POSSIBLE INDICATION THAT THE TOXIC MATERIAL WAS INGESTED; THE ABSENCE OF SUCH SIGNS, HOWEVER, IS NOT CONCLUSIVE.

SECTION 5. FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY	MAY BE COMBUSTIBLE AT HIGH TEMPERATURES
SUITABLE EXTINGUISHING MEDIA	USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.
HAZARDOUS COMBUSTION PRODUCTS	HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS. - CARBON OXIDES

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	NO DATA AVAILABLE
ENVIRONMENTAL PRECAUTIONS	NO DATA AVAILABLE
METHODS FOR CLEANING UP	NO DATA AVAILABLE

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	TOXIC. IRRITANT. KEEP LOCKED UP. KEEP AWAY FROM HEAT. MECHANICAL EXHAUST REQUIRED. WHEN NOT IN USE, TIGHTLY SEAL THE CONTAINER AND STORE IN A DRY, COOL PLACE. AVOID EXCESSIVE HEAT AND LIGHT. DO NOT INGEST. DO NOT BREATHE DUST. WEAR SUITABLE PROTECTIVE CLOTHING. IF INGESTED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THE CONTAINER OR THE LABEL. TREAT SYMPTOMATICALLY AND SUPPORTIVELY. ALWAYS STORE AWAY FROM INCOMPATIBLE COMPOUNDS SUCH AS OXIDIZING AGENTS.
CONDITIONS FOR SAFE STORAGE	NO DATA AVAILABLE

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTAINS NO SUBSTANCES WITH OCCUPATIONAL EXPOSURE LIMIT VALUES.	
PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATORY PROTECTION	A MSHA/NIOSH APPROVED RESPIRATOR TO KEEP AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.
HAND PROTECTION	GLOVES.
EYE PROTECTION	SPLASH GOGGLES
SKIN AND BODY PROTECTION	LAB COAT AND BOOTS.
HYGIENE MEASURES	AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Off-white crystalline powder
PH	NO DATA AVAILABLE

BOILING POINT:	NO DATA AVAILABLE
MELTING POINT:	136-141 °C
FLASH POINT	NO DATA AVAILABLE
IGNITION TEMPERATURE	NO DATA AVAILABLE
AUTOIGNITION TEMPERATURE	NO DATA AVAILABLE
LOWER EXPLOSION LIMIT	NO DATA AVAILABLE
UPPER EXPLOSION LIMIT	NO DATA AVAILABLE
DENSITY	NO DATA AVAILABLE
VAPOUR PRESSURE	NO DATA AVAILABLE
WATER SOLUBILITY	NO DATA AVAILABLE
PARTITION COEFFICIENT: N-OCTANOL/WATER	NO DATA AVAILABLE
ODOR	NO DATA AVAILABLE
ODOR THRESHOLD	NO DATA AVAILABLE
RELATIVE VAPOUR DENSITY	NO DATA AVAILABLE
EVAPORATION RATE	NO DATA AVAILABLE

SECTION 10.	STABILITY AND REACTIVITY
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CHEMICAL STABILITY	THIS MATERIAL IS STABLE IF STORED UNDER PROPER CONDITIONS.
MATERIALS TO AVOID	STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS	HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS. - CARBON OXIDES OTHER DECOMPOSITION PRODUCTS - NO DATA AVAILABLE
CONDITIONS TO AVOID	NO DATA AVAILABLE
POSSIBILITY OF HAZARDOUS REACTIONS	NO DATA AVAILABLE

SECTION 11.	TOXICOLOGICAL INFORMATION
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ACUTE TOXICITY	ORAL LD50 NO DATA AVAILABLE INHALATION LC50 NO DATA AVAILABLE DERMAL LD50 NO DATA AVAILABLE OTHER INFORMATION ON ACUTE TOXICITY NO DATA AVAILABLE
SKIN CORROSION/IRRITATION	NO DATA AVAILABLE
SERIOUS EYE DAMAGE/EYE IRRITATION	NO DATA AVAILABLE
RESPIRATORY OR SKIN SENSITIZATION	NO DATA AVAILABLE
GERM CELL MUTAGENICITY	NO DATA AVAILABLE
CARCINOGENICITY IARC:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS PROBABLE, POSSIBLE OR CONFIRMED HUMAN CARCINOGEN BY IARC.
ACGIH:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY ACGIH.
NTP:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A KNOWN OR ANTICIPATED CARCINOGEN BY NTP.
OSHA:	NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN OR EQUAL TO 0.1% IS IDENTIFIED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY OSHA.
REPRODUCTIVE TOXICITY	NO DATA AVAILABLE
TERATOGENICITY	NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (GLOBALLY HARMONIZED SYSTEM)	NO DATA AVAILABLE
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (GLOBALLY HARMONIZED SYSTEM)	NO DATA AVAILABLE
ASPIRATION HAZARD	NO DATA AVAILABLE
SIGNS AND SYMPTOMS OF EXPOSURE	TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
SYNERGISTIC EFFECTS	NO DATA AVAILABLE
POTENTIAL HEALTH EFFECTS	
INHALATION	TOXIC IF INHALED.
SKIN	IRRITATING TO SKIN ON CONTACT.
EYES	IRRITATING TO EYES ON CONTACT.
INGESTION	TOXIC IF INGESTED.
ADDITIONAL INFORMATION	NO DATA AVAILABLE

SECTION 12.	ECOLOGICAL INFORMATION
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TOXICITY	NO DATA AVAILABLE
PERSISTENCE AND DEGRADABILITY	NO DATA AVAILABLE
BIOACCUMULATIVE POTENTIAL	NO DATA AVAILABLE
MOBILITY IN SOIL	NO DATA AVAILABLE
PBT AND VPVB ASSESSMENT	NO DATA AVAILABLE
OTHER ADVERSE EFFECTS	NO DATA AVAILABLE

SECTION 13.	DISPOSAL CONSIDERATIONS
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PRODUCT
OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY. CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

CONTAMINATED PACKAGING
DISPOSE OF AS UNUSED PRODUCT.

SECTION 14.	TRANSPORT INFORMATION
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DOT REGULATIONS:	
PROPER SHIPPING NAME:	Nitrotoluidines (mono)
UN#:	2660
CLASS:	6.1
PACKING GROUP:	III
MARINE POLLUTANT:	NO
POISON INHALATION	NO
HAZARD:	

SECTION 15.	REGULATORY INFORMATION
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OSHA HAZARDS
NO DATA AVAILABLE

SARA 302 COMPONENTS
NO CHEMICALS IN THIS MATERIAL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 302.

SARA 313 COMPONENTS
SARA 313: THIS MATERIAL DOES NOT CONTAIN ANY CHEMICAL COMPONENTS WITH KNOWN CAS NUMBERS THAT EXCEED THE THRESHOLD (DE MINIMIS) REPORTING LEVELS ESTABLISHED BY SARA TITLE III, SECTION 313.

SARA 311/312 HAZARDS
NO DATA AVAILABLE

MASSACHUSETTS RIGHT TO KNOW COMPONENTS
NO COMPONENTS ARE SUBJECT TO THE MASSACHUSETTS RIGHT TO KNOW ACT.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

	CAS-No.	REVISION DATE
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NEW JERSEY RIGHT TO KNOW COMPONENTS

	CAS-No.	REVISION DATE
3-Methyl-4-nitroaniline	611-05-2	

CALIFORNIA PROP. 65 COMPONENTS

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

SECTION 16. OTHER INFORMATION

MSDS LEGEND:	
MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL
HYGIENISTS	
CAS:	CHEMICAL ABSTRACTS SERIVE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

IMPORTANT:
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall CII be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if CII has been advised of the possibility of such damages.