

Revision number: 2 Revision date: 10/06/2014

# 1. IDENTIFICATION

Product name: Product code: 3-Ethylaniline E0364

#### Product use: Restrictions on use:

### Company:

CI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

# 2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200:

Signal word:

Hazard Statement(s):

#### Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention]

[Response]

Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves and protective clothing. Do not breathe fume, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Wear protective gloves. Wear eye and face protection. Keep away from heat, sparks, open flames or other hot surfaces. - No smoking. Wear protective gloves, eye protection and face protection.

If swallowed: Immediately call a poison center or doctor. Rinse mouth. If on skin: Wash with plenty of water. Call a poison center or doctor if you feel unwell. Take off immediately all contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in well-ventilated place. Keep cool.

For laboratory research purposes. Not for drug or household use.

Acute Toxicity - Oral [Category 4] Acute Toxicity - Dermal [Category 3] Acute Toxicity - Inhalation [Category 3] Skin Corrosion/Irritation [Category 2] Eye Damage/Irritation [Category 2A] Flammable Liquids [Category 4]

**TCI AMERICA** 

SAFETY DATA SHEET

#### Emergency telephone number: Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) Responsible department: TCI America Environmental Health Safety and Security +1- 503-286-7624

Danger! Causes serious eye irritation Causes skin irritation Combustible liquid Harmful if swallowed Toxic in contact with skin Toxic if inhaled

[Storage]

 $\checkmark$ 

# 2. HAZARD(S) IDENTIFICATION

[Disposal]

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

3. COMPOSITION/INFORMATION	I ON INGREDIENTS
Substance/Mixture: Components:	Substance 3-Ethylaniline
Percent:	>98.0%(GC)(T)
CAS Number:	587-02-0
Molecular Weight:	121.18
Chemical Formula:	C <sub>8</sub> H <sub>11</sub> N
4. FIRST-AID MEASURES	
Inhalation:	Immediately call a poison center or doctor. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Skin contact:	Immediately call a poison center or doctor. Remove and wash contaminated clothing before re-use. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Eye contact:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects o exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Ingestion:	Harmful if swallowed. Do not induce vomiting with out medical advice. Call a physician or Poison Control Center immediately. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Symptoms/effects:	
Acute: Delayed:	Redness. No data available
Immediate medical attention:	WARNING: It might be dangerous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is toxic. If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Dry chemical, CO <sub>2</sub> or water spray. Consult with local fire authorities before attempting large scale fire fighting operations.
Specific hazards arising from the che	
Hazardous combustion products: Other specific hazards:	These products include: Carbon oxides Nitrogen oxides Closed containers may explode from heat of a fire.

#### Special precautions for fire-fighters:

Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient. Do not use straight streams. Runoff to sewer may create fire or explosion hazard. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Special protective equipment for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Use spark- proof tools and explosion-proof equipment. Remove all sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Personal protective equipment:	Wear eye protection (splash goggles) and face protection (full length face shield). Lab coat. Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).
Emergency procedures:	Isolate area until gas has dispersed. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

#### Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). All equipment used when handling the product must be grounded. Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

#### **Environmental precautions:**

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

7. HANDLING AND STORAGE	
Precautions for safe handling:	Do NOT breath gas, fumes, vapor, or spray. Do not ingest. Avoid contact with skin and eyes. Avoid contact with skin. Keep away from heat and sources of ignition. Use explosion-proof equipment. Use only non-sparking hand tool when handling this product. Ground all equipment containing material. Take measures to prevent build up of electrostatic charge. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Store and use away from heat, sparks, open flame, or any other ignition source. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas (e.g. Argon).
Storage incompatibilities:	Combustible substances, Store away from oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits:** 

No data available

#### Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

# Personal protective equipmentRespiratory protection:Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.Hand protection:Wear protective gloves.Eye protection:Splash goggles.Skin and body protection:Lab coat.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C):	Liquid
Form:	Clear
Color:	Colorless - Yellow
Odor:	No data available
Odor threshold:	No data available

3-Ethylaniline

# **TCI AMERICA**

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Chemical Stability: Air sensitive. Possibility of Hazardous Reactions: In use, may form flammable/explosive vapor-air mixture. Conditions to avoid: Air sensitive. Exposure to air. Incompatible materials: Acid anhydrides, Acids, Chloroformates, Strong oxidizing agents Hazardous Decomposition Products: No data available <b>11. TOXICOLOGICAL INFORMATION</b> <b>RTECS Number:</b> BX9770000 <b>Acute Toxicity:</b> orl-qal LD50:750 mg/kg <b>Skin corrosion/irritation:</b> No data available <b>Serious eye damage/irritation:</b> No data available <b>Ger cell mutagenicity:</b> No data available <b>Gar cell mutagenicity:</b> No data available <b>Gar cell mutagenicity:</b> No data available <b>Respiratory or skin sensitization:</b> No data available <b>Gar cell mutagenicity:</b> No data available <b>Gar cell mutagenicity:</b> No data available <b>Reproductive toxicity:</b> No data available <b>Reproductive toxicity:</b> No data available <b>Retro Serious:</b> No data available <b>Retro Serious:</b> No data available <b>Retro Serious:</b> No data available <b>Gar cell mutagenicity:</b> No data available <b>Retro Serious:</b> No data available <b>Retro Serious:</b> <b>Rot Serious:</b> No data available <b>Retro Serious:</b> No data available <b>Retro Serious:</b> <b>Rot Serious:</b> <b></b>	Chemical Stability: Air sensitive. Prospare to use, may form flammable/explosive vapor-air mixture. Conditions to avoid: Air sensitive. Exposure to air. Incompatible materials: Acid anhydrides, Acid A, Chloroformates, Strong oxidizing agents No data available  11. TOXICOLOGICAL INFORMATION  RTECS Number: BX9770000  Acute Toxicity: Orl-qai LD50:316 mg/kg Orl-qai LD50:750 mg/kg  Skin corrosion/irritation: No data available  Serious eye damage/irritation: No data available  Respiratory or skin sensitization: No data available  Ger cell mutagenicity: No data available  Ger cell mutagenicity: No data available  Respiratory or skin sensitization: No data available  Ger cell mutagenicity: No data available  Respiratory or skin sensitization: No data available  Reproductive toxicity:	10. STABILITY AND REACTIN	/ITY		
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Conditions to avoid: Air sensitive. Exposure to air. Hazardous Decomposition Products: No data available (11. TOXICOLOGICAL INFORMATION RTECS Number: BX9770000 Acute Toxicity: orl-gal LD50:750 mg/kg Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Respiratory or skin sensitization: No data available Germ cell mutagenicity: No data available Respiratory or skin sensitization: No data available Respiratory or skin sensi sin available Respiratory or sk	Conditions to avoid: Ar sensitive. Exposure to air. Incompatible materials: Add anhydrides, Add Ablorides, Adds, Chloroformates, Strong oxidizing agents No data available (11. TOXICOLOGICAL INFORMATION RTECS Number: BX9770000 Acute Toxicity: ort-bwd LD50:316 mg/kg Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Germ cell mutagenicity: No data available Carcinogenicity: No data available IARC: No data available Resprotucitive toxicity: No data available Resprotucitive toxicity: No data available IARC: No data available Resprotucitive toxicity: No data available NDE ADD ADD ADD ADD ADD ADD ADD ADD ADD A	Chemical Stability:	Air sensitive.		
Incompatible materials: Acid anhydrides, Acid chlorides, Acids, Chloroformates, Strong oxidizing agents Hazardous Decomposition Products: No data available  If. TOXICOLOGICAL INFORMATION  RTECS Number: BX9770000  Acute Toxicity: onl-bwd LD50:316 mg/kg orl-qal LD50:750 mg/kg  Skin corrosion/irritation: No data available  Serious eye damage/irritation: No data available  Respiratory or skin sensitization: No data available  Germ cell mutagenicity: No data available  IARC: No data available  IARC: No data available  IARC: No data available  Resport or boxicity: N	Incompatible materials: Acid anhydrides, Acid chlorides, Acids, Chloroformates, Strong oxidizing agents No data available (1. TOXICOLOGICAL INFORMATION RTECS Number: BX9770000 Acute Toxicity: ori-brod LD50:316 mg/kg ori-qal LD50:750 mg/kg Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Serious eye damage/irritation: No data available Germ cell mutagenicity: No data available Carcinogenicity: No data available IARC: No data available IARC: No data available NTP: No data available Carcinogenicity: No data available IARC: No data available Reproductive toxicity: No data available Routes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. Symptoms related to exposure: Orierapopure may result in information; characterized by itching, scaling, reddening, or occasid bilisting; Skin contact may result in redness, pain or dry skin. Eye contact may result in redness or pain. Proential Health Effects: Son and eye contact may result in irritation. Target organ(s): No data available				
Hazardous Decomposition Products: No data available  (1. TOXICOLOGICAL INFORMATION  RTECS Number: BX9770000  Acute Toxicity: ort-bwd LD50:316 mg/kg ort-qal LD50:750 mg/kg  Skin corrosion/irritation: No data available  Serious sye damage/irritation: No data available  Respiratory or skin sensitization: No data available  Germ cell mutagenicity: No data available  Carcinogenicity: No data available  Respoductive toxicity: No data available  Respoductive toxicity: No data available  Responductive	Hazardous Decomposition Products: No data available				ong ovidizing ogonto
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Target organ(s):     No data available	Target organ(s):     No data available				
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	12 ECOLOGICAL INFORMATION				

Ecotoxicity Fish:

No data available

**TCI AMERICA** 

12. ECOLOGICAL INFORMATION				
Crustacea:				
Algae:		No data available		
Persistence and degra	adability:	No data available		
Bioaccumulative pote		No data available		
Mobillity in soil:		No data available		
Partition coefficient:		No data available		
n-octanol/water (log P				
Soil adsorption (Koc):	:	No data available		
Henry's Law:		No data available		
constant (PaM <sup>3</sup> /mol)				
13. DISPOSAL CON	ISIDERATIONS			
Disposal of product: Recycle to process if possible. It is the generator's responsibility to comply with Fe rules and regulations. You may be able to dissolve or mix material with a combust chemical incinerator equipped with an afterburner and scrubber system. This sect assistance but does not replace these laws, nor does compliance in accordance w regulatory compliance according to the law. US EPA guidelines for Identification a Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter water ways, or the soil.		lve or mix material with a combustible solvent and burn in a er and scrubber system. This section is intended to provide does compliance in accordance with this section ensure EPA guidelines for Identification and Listing of Hazardous uct should not be allowed to enter the environment, drains,		
Disposal of container: Other considerations:		Dispose of as unused product. Do not re-use empty containers. Observe all federal, state and local regulations when disposing of the substance.		
14. TRANSPORT IN	IFORMATION			
	<b>Proper Shipping Na</b> i Toxic liquids, organic,		<b>Class or Division:</b> 6.1 Toxic material.	Packing Group: III
	<b>Proper Shipping Na</b> r Toxic liquid, organic, I		<b>Class or Division:</b> 6.1 Toxic material.	Packing Group: III
	<b>Proper Shipping Na</b> i Toxic liquid, organic, I		Class or Division: 6.1 Toxic material.	Packing Group: III
EmS number:		F-A, S-A		

# **15. REGULATORY INFORMATION**

# Toxic Substance Control Act (TSCA 8b.):

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 a SDS sheet.

#### **US Federal Regulations**

<b>CERCLA Hazardous substance and Reportable Quantity:</b>			
SARA 313:	Not Listed		
SARA 302:	Not Listed		

## State Regulations

State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Proposition 65:	Not Listed

**Other Information** 

**TCI AMERICA** 

15. REGULATO	RY INFORMATION					
NFPA Rating:		HMIS Classification:				
Health:	1	Health:	1			
Flammability:	2	Flammability:	2			
Instability:	0	Physical:	0			
International Inve	International Inventories					
WHMIS hazard cla	155:	B3: Combustible Liquid. D1B: Materials causing immediate and serious toxic effects. (Toxic) D2A: Materials causing other toxic effects. (Very Toxic) D2B: Materials causing other toxic effects. (Toxic)				
EC-No:		209-594-8				

## **16. OTHER INFORMATION**

#### Revision date: 10/06/2014

#### Revision number: 2

TCI 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 affiliates or 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 familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS 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 SDS 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, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.