

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : N-(2-Aminoethyl)-3-(trimethoxysilyl)propylamine  
Trade name : GX-792  
Company : GBXF Silicones Co.;Ltd  
Wujiang Fine Chemical Industrial Park,  
He country, Maanshan City, Anhui Province, 238200, China  
Telephone : 0086-25-58742173  
Fax : 0086-25-58742173  
Emergency Phone # : 0086-25-58742173

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C<sub>8</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>Si  
Molecular Weight : 222.36 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
<b>N-(2-Aminoethyl)-3-(trimethoxysilyl)propylamine</b>			
1760-24-3	217-164-6	-	-

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

#### OSHA Hazards

Combustible Liquid, Skin sensitizer, Irritant

### HMIS Classification

Health Hazard: 2  
Flammability: 2  
Physical hazards: 0

### NFPA Rating

Health Hazard: 2  
Fire: 2  
Reactivity Hazard: 0

### Potential Health Effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. Causes skin irritation.  
**Eyes** Causes eye irritation.  
**Ingestion** May be harmful if swallowed.

## 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**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. FIRE-FIGHTING MEASURES****Flammable properties**

Flash point 68 °C (154 °F) - closed cup

Ignition temperature no data available

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods for cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

Air and moisture sensitive. Store under inert gas. Moisture sensitive.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

**Personal protective equipment****Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves.

**Eye protection**

Safety glasses

**Skin and body protection**

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form clear, liquid

Colour light yellow

**Safety data**

pH no data available

Melting point no data available

Boiling point 146 °C (295 °F) at 20 hPa (15 mmHg)  
261 - 263 °C (502 - 505 °F) at 1,013 hPa (760 mmHg)

Flash point 68 °C (154 °F) - closed cup

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Vapour pressure < 7 hPa (< 5 mmHg) at 25 °C (77 °F)

Density 1.028 g/cm<sup>3</sup>

Water solubility no data available

**10. STABILITY AND REACTIVITY****Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

Oxidizing agents, Water and acids react with material to liberate methanol. Heat of reaction may ignite vapors of the alcohol, acids

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), silicon oxides

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

LD50 Oral - rat - 7,669 mg/kg

**Irritation and corrosion**

Eyes - rabbit - Severe eye irritation

### **Sensitisation**

May cause allergic skin reaction.

### **Chronic exposure**

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.

### **Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### **Potential Health Effects**

<b>Inhalation</b>	May be harmful if inhaled. Causes respiratory tract irritation.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.
<b>Ingestion</b>	May be harmful if swallowed.

### **Additional Information**

RTECS: KV7400000

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## **12. ECOLOGICAL INFORMATION**

### **Elimination information (persistence and degradability)**

Biodegradability

### **Ecotoxicity effects**

Toxicity to fish LC50 - Brachydanio rerio (zebra fish) - 597 mg/l - 96 h

Toxicity to algae EC50 - Scenedesmus subspicatus - 126 mg/l - 72 h

### **Further information on ecology**

no data available

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## **13. DISPOSAL CONSIDERATIONS**

### **Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

### **Contaminated packaging**

Dispose of as unused product.

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## **14. TRANSPORT INFORMATION**

### **DOT (US)**

NA-Number: 1993 Class: CBL

Packing group: III

Proper shipping name: Combustible liquid, n.o.s. (N-(2-Aminoethyl)-3-(trimethoxysilyl)propylamine)  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15. REGULATORY INFORMATION**

**OSHA Hazards**

Combustible Liquid, Skin sensitizer, Irritant

**DSL Status**

All components of this product are on the Canadian DSL list.

**SARA 302 Components**

SARA 302: 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**

Fire Hazard, Acute Health Hazard

**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
N-(2-Aminoethyl)-3-(trimethoxysilyl)propylamine	1760-24-3	

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

**16. OTHER INFORMATION**

**Further information**

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 Fisher 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 Fisher has been advised of the possibility of such damages.