

3,4-dimethoxyphenylethylamine 120-20-7 MSDS

Section 1 - Chemical Product MSDS Name:2-(3,4-Dimethoxyphenyl)-Ethylamine 98%

Material Safety Data Sheet

Synonym:3,4-Dimethoxyphenethylamine; Homoveratrylamine

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | content |
|----------|-----------------------------------|---------|
| 120-20-7 | 2-(3,4-Dimethoxyphenyl)ethylamine | 98% |

Hazard Symbols: XN

Risk Phrases: 22 36/37/38

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to eyes, respiratory system and skin. Hygroscopic (absorbs moisture from the air). Light sensitive. Air sensitive. The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye:

Causes eye irritation. May cause chemical conjunctivitis.

Skin:

Causes skin irritation.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation:

Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. Can produce delayed pulmonary edema.

Chronic:

Effects may be delayed.

Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

Extinguishing Media:

Use water spray to cool fire-exposed containers. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. Place under an inert atmosphere.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed.

Avoid ingestion and inhalation. Store protected from light. Handle under an inert atmosphere. Store protected from air. Wash clothing before reuse.

Storage:

Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air. Store protected from moisture. Store protected from light. Store under an inert atmosphere.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 120-20-7: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid

Color: yellow

Odor: amine-like

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 188 deg C @ 15.00mm Hg

Freezing/Melting Point: 12 - 15 deg C

Autoignition Temperature: Not available.

Flash Point: 165 deg C (329.00 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: soluble in water

Specific Gravity/Density: 1.0740g/cm³

Molecular Formula: (CH₃O)₂C₆H₃CH₂CH₂NH₂

Molecular Weight: 181.23

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid:

Incompatible materials, light, exposure to air, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials:

Moisture, air.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 120-20-7: SH2300000 LD50/LC50:

Not available.

Carcinogenicity:

2-(3,4-Dimethoxyphenyl)ethylamine - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - TRANSPORT INFORMATION

IATA

Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.*

Hazard Class: 8

UN Number: 3267

Packing Group: III

IMO

Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3267

Packing Group: III

RID/ADR

Shipping Name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3267

Packing group: III

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water.

S 37 Wear suitable gloves.

S 37/39 Wear suitable gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 120-20-7: No information available.

Canada

CAS# 120-20-7 is listed on Canada's NDSL List.

CAS# 120-20-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 120-20-7 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A