

1 Product And Company Identification :

Product Name	: Ortho-cumidine
Other/Generic Names	: 2-Aminocumene, 2-Cumidine, Ortho-isopropylaniline, 2-Isopropylaniline
CAS No.	: 643-28-7
Product use	: o-cumidine is used as an intermediate for monoazo and disazo solvent dyes
Supplier	Deepak Nitrite Ltd. Aaditya-I, National Highway No. 8, Chhani Road, Vadodara - 390 024, India Manufacturing facilities at : Vadodara, Roha, Talaja & Hyderabad. Contact no. : +91-9904406400
For Chemical Emergency	Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887

2 Hazard Identification :

GHS classification (Classification according to Regulation (EC) No 1272/2008)	Hazard statement (s)
Health Hazards : 2	H302 - Harmful if swallowed.
Flammability: 1	H312 - Harmful in contact with skin.
Physical hazards: 0	H332 - Harmful if inhaled.
	H315 - Causes skin irritation.
	H319 - Causes serious eye irritation.
 EC classification (Classification according to Directive 67/548/EEC)	
T:	
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 33	Danger of cumulative effects
R 36/38	Irritating to eyes and skin.
N : - Environmental Hazards	No

Hazard pictograms



Signal word

Warning

3 Composition / Information On Ingredients :

Chemical formula	: C ₉ H ₁₃ N
Common Name	: o-Cumidine
Synonyms	: 2-Aminocumene, 2-Cumidine, Ortho-isopropylaniline, 2-Isopropylaniline
Molecular weight	: 135.21 g/mol
CAS No.	: 643-28-7
Index No.	: -
UN No.	: 2735
EINECS No.	: 211-397-7

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. Take victim immediately to hospital. 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:

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.

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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 and materials for containment and cleaning up

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

7 Handling & Storage :

Handling

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

Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8 Exposure Control / Personal Protection :

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose 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. Impervious gloves.

Eye protection

Face shield and safety glasses

Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9 Physical And Chemical Properties :

Appearance	: Liquid
Colour	: Dark yellow
Odour	: Characteristic aromatic odour
pH	: Neutral
Boiling Point/range	: 225.6 ° C (Pressure: 760 Torr)
Melting point	: Not applicable
Flash Point	: 96 ° C (205 ° F) - closed cup
Vapour Pressure	: 0.07 hPa (0.05 mmHg) at 20 ° C (68 ° F)
Density	: 0.955 g/cm ³ at 25 ° C (77 ° F)
Solubility water	: Not missible

10 Stability And Reactivity :

Storage stability:

Stable under recommended storage conditions. Sensitive to light.

Materials to avoid

Strong oxidizing agents, strong acids, acid chlorides, acid anhydrides.

Possibility of hazardous reactions

May explosively decompose on heating, shock, friction, etc.

Condition to avoid

Incompatible materials.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

11 Toxicological Information :

Acute toxicity : LD₅₀ Oral - rat - 1,180 mg/kg

RTECS# : BY4200000

Category of danger : Harmful by ingestion., Irritant

Potential Health Effect **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 Harmful if swallowed.

Storage class : Combustible liquid

Carcinogenicity: : Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

12 Ecological Information :

Acute fish toxicity LC₅₀ : No data available

Acute toxicity to aquatic invertebrates EC₅₀ : The product does not contain any organically bonded halogens, which can lead to AOX values in the waste water.

13 Disposal Considerations :

Product

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

Packaging

Dispose of as unused product.

14 Transport Information :

UN No. : 2735

Hazard Class : 8

Packing Group : III

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Declaration (railroad and road) ADR, RID
o-Cumidine UN 2735 , 8 , III Not regulated as a hazardous material
Declaration (transport by sea) IMDG-Code
o-Cumidine UN 2735 , 8 , III Not regulated as a hazardous material
Declaration (transport by air) IATA-DGR
o-Cumidine UN 2735 , 8 , III Not regulated as a hazardous material

15 Regulatory Information :

Safety Information according to GHS

Hazard Statement (s) H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H332 - Harmful if inhaled.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary Statement (s) P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P302+P352
IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
P321 Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Signal Word Warning

Hazard Pictogram(s):



RTECS# : BY4200000

Labeling according to EC directives

Hazard symbols : Xn Harmful
Risk phrases : R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R 33 Danger of cumulative effects.
R 36/38 Irritating to eyes and skin.
Safety phrases : S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 28 After contact with skin, wash immediately with plenty of soap and water.
S 36/37 Wear suitable protective clothing and gloves.

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OSHA Hazards

Harmful by ingestion., Irritant

DSL Status

This product contains the following components listed on the Canadian NDSL list. All other components 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.

16 Other Information:

DISCLAIMER : Deepak Nitrite Ltd. provides the information contained herein in good faith but makes no representation as to comprehensiveness or accuracy. This document is only as a guide to a properly trained person, for the appropriate precautions and handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. The data does not signify any warranty with regard to the product's properties.