

2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

1.1. Product identifier	
Trade name	: 2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)
Product code	: N0146700500
Identification of the product	: 2-NITROANILINE PURE 98%
-	CAS No: 88-74-4
1.2. Relevant identified uses of th	e substance or mixture and uses advised against
Use	: Industrial. For professional use only.
1.3. Details of the supplier of the	safety data sheet
Company identification	SUVCHEM Chaitanya Tower, 2nd Floor, Office # 206, Siddharth Nagar, S.V. Road, Goregaon (West), Mumbai - 400062,
	Maharashtra, India. Contact: +91 22 28725393 / 94 / 95
1.4. Emergency telephone numbe	Email ID: info@suvchem.com/care@suvchem.com
Phone no.	: + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification	: T; R23/24/25
	R33
	R52-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards	: Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301 Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311 Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331
Environmental hazards	: Hazardous to the aquatic environment - Chronic hazard - Category 3 (CLP : Aquatic Chronic 3) H412
2.2. Label elements	



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MATERIAL SAFETY DATA SHEET (MSDS)

2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

2. Hazards identification -DSD (continued)

Labelling EC 67/548 or EC 1999/45

Symbol(s)



R Phrase(s)	 : T : Toxic : R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed. R33 : Danger of cumulative effects. R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrase(s)	: S33 : Take precautionary measures against static discharges.
Labelling Regulation EC 1272/2008 (Cl	<u>_P)</u>
Hazard pictograms	
Signal words	: Danger
Hazard statements	 H301 : Toxic if swallowed. H311 : Toxic in contact with skin. H331 : Toxic if inhaled. H412 : Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	 P280: Wear protective gloves, protective clothing, eye protection, face protection. P271: Use only outdoors or in a well-ventilated area. P261: Avoid breathing dust, fume, gas, mist, vapours, spray. P273: Avoid release to the environment. P264: Wash thoroughly after handling. P270: Do not eat, drink or smoke when using this product.
• Response	 P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor. P302+P352: IF ON SKIN : Wash with plenty of soap and water. P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. P363: Wash contaminated clothing before reuse. P361: Remove immediately all contaminated clothing.
Storage	: P403+P233: Store in well-ventilated place. Keep container tightly closed. P405: Store locked up.
• Disposal considerations	 P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.



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2. Hazards identification -DSD (continued)

2.3. Other hazards

Other hazards

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

Substance / Preparation

: 2-NITROANILINE PURE 98%

Substance.

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1. Description of first aid measures

Inhalation	: Assure fresh air breathing. Allow the victim to rest. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
Eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
Ingestion	: Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms relating to use	 Repeated exposure to this material can result in absorption through skin causing significant health hazard. Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medi	cal attention and special treatment needed
General information	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).



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5. Fire-fighting measures

5.1. Extinguishing media Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Unsuitable extinguishing media : Do not use a heavy water stream. Surrounding fires : Use water spray or fog for cooling exposed containers. 5.2. Special hazards arising from the substance or mixture Hazardous combustion products : Under fire conditions, hazardous fumes will be present. 5.3. Advice for fire-fighters Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection. **Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures	

6.1. Personal precautions, protective equipment and emergency procedures

o. i. Personal precaditoris, protecti	ve equipment and emergency procedures
For emergency responders	: Equip cleanup crew with proper protection. Ventilate area.
For non-emergency personnel	: Evacuate unnecessary personnel.
6.2. Environmental precautions	
Environmental precautions	: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for conta	ainment and cleaning up
Clean up methods	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
6.4. Reference to other sections	

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling



MATERIAL SAFETY DATA SHEET (MSDS)

2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

7. Handling and storage (continued)	
Handling	: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapours, spray.
Technical protective measures	: Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, inclu	uding any incompatibilities
Storage	: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.
Storage - away from	: Strong bases. Strong acids. Sources of ignition. Direct sunlight.
<u>7.3. Specific end use(s)</u>	
Specific end use(s)	: None.
8. Exposure controls/personal prote	ction
8.1. Exposure controls	
Personal protection	: Avoid all unnecessary exposure.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	: Wear protective gloves.
 Eye protection Others 	: Chemical goggles or safety glasses. : When using, do not eat, drink or smoke.
8.2. Control parameters	
Occupational Exposure Limits	: No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Solid.
Colour	: Colorless
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 70 - 72 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A



2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

9. Physical and chemical properties (continued)

7 1 1	· · ·
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: 167°C
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 1.1 g/l (20 c)
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm2/s]	: N/A
9.2. Other information	
Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

10. Stability and reactivity

<u>10.1. Reactivity</u>	
Reactivity	: Not established.
10.2. Chemical stability	
Chemical stability	: Stable under recommended storage conditions.
10.3. Possibility of hazardous reaction	ons
Hazardous reactions	: Not established.
10.4. Conditions to avoid	



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2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

d)
: Direct sunlight. Extremely high or low temperatures.
: Strong acids. Strong bases.
ucts
: Fumes. Carbon monoxide. Carbon dioxide.
acts
ects
<u>ects</u>
<u>ects</u> : Toxic if inhaled.
: Toxic if inhaled.
: Toxic if inhaled. : Toxic in contact with skin.
: Toxic if inhaled. : Toxic in contact with skin. : Toxic if swallowed.
 Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. Based on available data, the classification criteria are not met.
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: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.Aspiration hazard: Based on available data, the classification criteria are not met.

12. Ecological information

STOT-single exposure

<u>12.1. Toxicity</u>	
Toxicity information	: Harmful to aquatic life with long lasting effects.
<u>12.2. Persistence - degradability</u>	
Persistence - degradability	: May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential	
Bioaccumulative potential	: Not established.



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2-NITRO ANILINE (FOR SYNTHESIS) (ORTHO NITRO ANILINE)

12. Ecological information (continued)				
<u>12.4. Mobility in soil</u>				
Mobility in soil	: Not established.			
12.5. Results of PBT and vPvB assessment				
Results of PBT and vPvB assess	ment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.			
12.6. Other adverse effects				
Environmental precautions	: Avoid release to the environment.			
13. Disposal considerations				
13.1. Waste treatment methods				
General	 Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. 			
Special precautions	: Hazardous waste due to toxicity.			
14 Transport information				

14.1. Land transport (ADR-RID)	
Proper shipping name	: NITROANILINES (o-, m-, p-)
UN N°	: 1661
H.I. nr	: 60
ADR - Class	: 6.1
Labelling - Transport	: 6.1 : Toxic substances.
ADR - Classification code	: T2
ADR - Group	: II
ADR - Packing instructions	: P002
ADR - Limited Quantity	: 500 G



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14. Transport information (continued)

ADR - Tunnel code

: D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.



14.2. Sea transport (IMDG) [English only]

Proper shipping name	: NITROANILINES (o-, m-, p-)
UN N°	: 1661
IMO-IMDG - Class or division	: 6.1 : Toxic substances.
IMO-IMDG - Packing group	: 11
IMO- IMDG - Packing instructions	: P002
IMO-IMDG - Limited quantities	: 500 g
IMO-IMDG - Marine pollution	: No
EMS-Nr	: F-A S-A

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name	: NITROANILINES (o-, m-, p-)
UN N°	: 1661
IATA - Class or division	: 6.1 : Toxic substances.
IATA - Packing group	: 11
IATA - Passenger and Cargo Aircraft	: ALLOWED
- Passenger and Cargo - Packing instruction	: 669
- Passenger and Cargo - Maximum Quantity/Packing	: 25 kg
IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 676
- Cargo only - Maximum Quantity/ Packing	: 100 kg
IATA - Limited Quantites	: 1 kg
ERG-Nr	: 6L

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed. regulations/legislation specific for the substance or mixture



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In accordance with REACH Regulation (CE) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008

DISCLAIMER:

- SUVCHEM Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- SUVCHEM shall not be responsible for any damage resulting from handling or from contact with the above product.
- SUVCHEM provides the information contained herein in good faith but makes no representation as to its
 comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of
 the material by a properly trained person using this product.

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Page :10

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