**MATERIAL SAFETY DATA SHEET** 

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# $\alpha$ -NAPHTHYLAMINE SOLUTION

# SECTION 1: PRODUCT IDENTIFICATION

 Product Name: α-NAPHTHYLAMINE SOLUTION

 Product Code: TR 028

 CAS#: Not available

 CI#: Not available

 Synonym: α-Naphthylamine, 1-Aminonaphthalene

 Chemical Name: A-Naphthylamine

 Chemical Formula: Not available

# SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Name: 2-Naphthylamine, 1-Naphthylamine Toxicological Data on Ingredients: Not available

## **SECTION 3: HAZARDS IDENTIFICATION**

Classification according to Regulation (EC) No 1272/2008 OSHA Hazards Carcinogenic Effects: Not available Carcinogenic Effects: IARC: 1 - Group 1: Carcinogenic to humans (2-Naphthylamine)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (1-Naphthylamine) NTP: Known to be human carcinogen (2-Naphthylamine)

Mutagenic Effects: Not available

Teratogenic Effects: Not available

Developmental Toxicity: Not available

#### **SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water must be used. Get medical attention if irritation occurs .

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available

Inhalation: After inhalation: fresh air. '

Serious Inhalation: Not available

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available

# **SECTION 5: FIRE FIGHTING MEASURES**

Extinguishing media Suitable extinguishing media

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

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#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture.

Nature of decomposition products unknown

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

# Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, and consult an expert. For personal protection, see section 8.

#### **Environmental precautions**

Do not let product enter drains.

# SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. **Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C Air and light sensitive.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill:** Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product. **Exposure Limits:** Not available.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance Form Odour Taste Molecular Weight Colour pH Boiling Point	: Solid : Characteristic : Not Available : Not Available : Light Brown : Not Available : Not Available
Boiling Point	: Not Available
Melting Point	: Not Available
Critical Temperature	: Not Available



# **MATERIAL SAFETY DATA SHEET**

Relative Density
Vapor Pressure
Vapor Density
Volatility
Odor Threshold
Water/Oil Dist. Coeff.
Ionicity (in Water)
Dispersion Properties
Solubility

: Not Available : Not Applicable : Not Available : Not Available

# SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions. Instability Temperature: Not available Conditions of Instability: Not Available Incompatibility with various substances: Oxidizing agents Corrosivity: Not Available Special Remarks on Reactivity: Not Available Special Remarks on Corrosivity: Not Available Polymerization: Not Available

## SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity to Animals: Acute toxicity: Not Available Serious eye damage/eye irritation Not Available LD<sub>50</sub>: - Oral - rat - 680 mg/kg LC<sub>50</sub>: Inhalation - rat - 4 h - 0.056 mg/m3 Chronic Effects on Humans: Not Available Other Toxic Effects on Humans: Not Available Special Remarks on Toxicity to Animals: Not Available Special Remarks on Chronic Effects on Humans: Not Available Special Remarks on other Toxic Effects on Humans: Not Available

## SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Toxicity to fish LC50 - Oryzias latipes - 7 mg/l - 48.0 h LC100 - Oncorhynchus mykiss (rainbow trout) - 6 - 8 mg/l - 48.0 h BOD and COD: Not available Products of Biodegradation: Not Available Toxicity of the Products of Biodegradation: Not available Biodegradability Biotic/Aerobic Result: < 1 % - Not readily biodegradable. Special Remarks on the Products of Biodegradation: Not available

# SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14: TRANSPORT INFORMATION

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# **MATERIAL SAFETY DATA SHEET**

UN number		
ADR/RID: 2077	IMDG: 2077	IATA: 2077
UN proper shipping name		
ADR/RID: Not dangerous goods		
IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class(es)		
ADR/RID: 6.1	IMDG: 6.1	IATA: 6.1
Packaging group		
ADR/RID: III	IMDG: III	IATA: III
Environmental hazards		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no
Special precautions for user		

No data available

# SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. OSHA Hazards Carcinogen, Target Organ Effect, Harmful by ingestion., Highly toxic by skin absorption Other regulations Not Available

# **SECTION 16: OTHER INFORMATION**

References: Full text of H AND R-Statements. Not Available Other Special Considerations: Not available

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