Material Safety Data Sheet

NN DIMETHYL ANILINE FOR SYNTHESIS (RXSOL-60-6605-029)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-029
Product Type	N, N-DIMETHYL ANILINE FOR SYNTHESIS
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

2.1. Substance : N,N-DIMETHYLANILINE For Synthesis
CAS No : 121-69-7
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acute toxicity (dermal), H311
Category 3
Acute toxicity (inhal.), H331
Category 3
Acute toxicity (oral), H301
Category 3
Carcinogenicity, H351
Category 2
Hazardous to the aquatic environment — Chronic Hazard, H411
Category 2
Classification according to Directive 67/548/EEC or 1999/45/EC
Adverse physicochemical, human health and environmental effects
No additional information available
3.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display
Extra classification(s) to display
Symbol(s) : T : Very toxic N : Dangerous for the environment
R Phrase(s) : R40: Possible risk of very serious irreversible effects.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R23/24/25: Toxic by Inhalation, in contact with skin and if swallowed.
S Phrase(s) : S28: After contact with skin, wash immediately with plenty of …(to be specified by manufacturer)
. S37: Wear suitable gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: avoid release to the environment . refer to special instruction/safety data sheets.
Hazard pictograms

Signal word : Danger
Hazard statements : H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects
Precautionary statements: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician P311 - Call a POISON CENTER or doctor/physician
3.3. Other hazards
No additional information available

4. First Aid Measures

4.1. Description of first aid measures
First-aid measures general : Suspected of causing cancer.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or
artificial respiration if necessary. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : If you feel unwell, seek medical advice. Rinse mouth out with water
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries after inhalation : Toxic if inhaled.
Symptoms/injuries after skin contact : Toxic in contact with skin.
Symptoms/injuries after ingestion : Toxic if swallowed.
Chronic symptoms : Suspected carcinogen.
4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2).
Unsuitable extinguishing media : Do not use a heavy water stream.
5.2. Special hazards arising from the substance or mixture
No additional information available
5.3. Advice for firefighters
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures
: Evacuate unnecessary personnel.
6.1.2. For emergency responders
Protective equipment : Use personal protective equipment as required.
Emergency procedures : Stop release.
6.2. Environmental precautions
Avoid release to the environment.
6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
6.4. Reference to other sections
No additional information available

7. Handling and Storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.
7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place. Keep only in the original container in a cool, well ventilated place away from : Protect from moisture.
7.3. Specific end use(s)
No additional information available

8. Exposure controls and personal protection

8.1. Control parameters
No additional information available
8.2. Exposure controls Hand protection : protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear respiratory protection.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Odour threshold : No data available
pH : 7.4
Relative evaporation rate (butylacetate=1) : 1
Melting point : 2.5 °C
Freezing point : No data available
Boiling point : 76 - 78
Flash point : 75 °C
Auto-ignition temperature : 317 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : 0.52 mm Hg at 25°C
Relative vapour density at 20 °C : 4.2
Relative density : No data available
Solubility : Water: Negligible
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : 0.01 - 0.07 vol %
9.2. Other information
No additional information available

10. Stability and reactivity

10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
Direct sunlight. Overheating. Open flame. Heat. Sparks.
10.5. Incompatible materials No additional information available
10.6. Hazardous decomposition products
No additional information available

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. Oral: Toxic if swallowed.
Skin corrosion/irritation : Not classified
pH: 7.4
Serious eye damage/irritation : Not classified

pH: 7.4
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms: Toxic if swallowed. Toxic in contact with skin

12. Ecological information

12.1. Toxicity
Ecology - water : Toxic to aquatic life with long lasting effects.
12.2. Persistence and degradability
Persistence and degradability May cause long-term adverse effects in the environment.
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available
12.6. Other adverse effects
No additional information available

13. Disposal considerations

13.1. Waste treatment methods
Product/Packaging disposal Recommendations : Dispose of contents/container to ...
Ecology - waste materials : Hazardous waste due to toxicity.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR) : 2253
UN-No. (IMDG) : 2253
UN-No.(IATA) : 2253
UN-No.(ADN) : 2253
UN-No. (RID) : 2253
14.2. UN proper shipping name
Proper Shipping Name (ADR) : N,N-DIMETHYLANILINE
Proper Shipping Name (IMDG) : N,N-DIMETHYLANILINE
Proper Shipping Name (IATA) : N,N-DIMETHYLANILINE
Proper Shipping Name (ADN) : N,N-DIMETHYLANILINE
Proper Shipping Name (RID) : N,N-DIMETHYLANILINE
Transport document description (ADR) : UN 2253 N,N-DIMETHYLANILINE, 6.1, II, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) : UN 2253 N,N-DIMETHYLANILINE, 6.1, II , MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA) : UN 2253 N,N-DIMETHYLANILINE, 6.1, II , ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN) : UN 2253 N,N-DIMETHYLANILINE, 6.1, II , ENVIRONMENTALLY HAZARDOUS
Transport document description (RID) : UN 2253 N,N-DIMETHYLANILINE, 6.1, II , ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)
ADR- Transport hazard class(es) (ADR) : 6.1
Danger labels (ADR) : 6.1
IMDG- Transport hazard class(es) (IMDG) : 6.1
Danger labels (IMDG) : 6.1
IATA- Transport hazard class(es) (IATA) : 6.1
Hazard labels (IATA) : 6.1
ADN- Transport hazard class(es) (ADN) : 6.1
Danger labels (ADN) : 6.1
RID- Transport hazard class(es) (RID) : 6.1
Danger labels (RID) : 6.1
14.4. Packing group
Packing group (ADR) : II

Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II
14.5. Environmental hazards
Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available
14.6. Special precautions for user
Overland transport- Classification code (ADR) : T1
Limited quantities (ADR) : 100ml
Excepted quantities (ADR) : E4
Packing instructions (ADR) : P001, IBC02
Mixed packing provisions (ADR) : MP15
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions (ADR) : TP2
Tank code (ADR) : L4BH
Tank special provisions (ADR) : TU15, TE19
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28
Special provisions for carriage – Operation (ADR) : S9, S19
Hazard identification number (Kemler No.) : 60
Orange plates :
Tunnel restriction code (ADR) : D/E
EAC code : 3Z
Transport by sea- Limited quantities (IMDG) : 100 ml
Excepted quantities (IMDG) : E4
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP2
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-A
Stowage category (IMDG) : A
MFAG-No : 153
Air transport- PCA Excepted quantities (IATA) : E4
PCA Limited quantities (IATA) : Y641
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 654
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 662
CAO max net quantity (IATA) : 60L
ERG code (IATA) : 6L
Inland waterway transport- Classification code (ADN) : T1
Special provisions (ADN) : 802
Limited quantities (ADN) : 100
ml Excepted quantities (ADN) : E4
Equipment required (ADN) : PP, EP, TOX, A
Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 2
Rail transport- Classification code (RID) : T1
Limited quantities (RID) : 100ml
Excepted quantities (RID) : E4
Packing instructions (RID) : P001, IBC02
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP2
Tank codes for RID tanks (RID) : L4BH
Special provisions for RID tanks (RID) : TU15
Transport category (RID) : 2
Special provisions for carriage – Loading and unloading (RID) : CW13, CW28, CW31
Colis express (express parcels) (RID) : CE5
Hazard identification number (RID) : 60
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
No REACH Annex XVII restrictions
N,N-DIMETHYLANILINE For Synthesis is not on the REACH Candidate List

N,N-DIMETHYLANILINE For Synthesis is not on the REACH Annex XIV List
15.1.2. National regulations
Germany
AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (KBwS-Beschluss; WGK No 1152)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Denmark
Class for fire hazard : Class III
-1 Store unit : 50 liter
Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal
15.2. Chemical safety assessment
No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None
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