

N,N-DIMETHYLANILINE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□

2.2. □□□□□□□□□□□□□□□

□□ (EC) No. 1272/2008 □□ □□ □□ [CLP]

□□ □□ □□□□(CLP)



GHS06

GHS08

GHS09

□□□ (CLP)

□□·□□ □□ (CLP)

□□ □□ □□(CLP)

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: H301+H311+H331 - □□□□, □□□ □□□□□ □□□□ □□□□. H351 - □□ □□ □□ □□□. H411 - □□□□ □□□□ □□□□□□ □□□.

: P202 - □□ □□ □□□□ □□ □□□□ □□□□ □□□. P273 - □□□□ □□□□ □□□. P280 - □□□□, □□□, □□□, □□□□□ □□(□) □□□□□. P301+P310 - □□□□ □□ □□ □□ □□ □□ □□(□) □□□□□. P302+P352 - □□□□ □□ □□ □□ □□ □□□. P304+P340 - □□□□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□□.

2.3. □□ □□

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

□□ 3: □□□□□ □□ □□□□

3.1. □□□□

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: □□□□□□

□□	□□□□	%
N,N-DIMETHYLANILINE	CAS □□: 121-69-7 EC □□: 204-493-5 EC □□ □□: 612-016-00-0	100

□□ 4: □□□□□□

4.1. □□□□ □□

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: □□ □□□ □□□ □□□. Call a physician immediately.

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: □□□ □□□ □□□ □□□ □□□ □□□ □□□ □□□. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice. Call a doctor.

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: □□□ □□□ □□□ □□□. □□□ □□□ □□□ □□□. □□ □□ □□ □□□ □□□: □□□□ □□/□ □□ □□□. Wash skin with plenty of water.

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: If you feel unwell, seek medical advice. Rinse mouth out with water. □□ □□□□□. Call a physician immediately.

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First-aid measures for first aider

4.2. □□ □□□□ □□ □□□□ □□ □□

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: None under normal conditions.

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: □□□□ □□□ □□□.

N,N-DIMETHYLANILINE FOR SYNTHESIS

□ (EU) 2020/878 □ REACH □ (EC) 1907/2006 □

4.3. □□□□ □□□ □□□ □□□ □□□ □□□

Treat symptomatically.

□ □ 5: □ □ · □ □ □ □ □ □

5.1. □□□ □□□

- □□□ : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water spray. Dry powder. Foam. Carbon dioxide.

□□□ □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□

-  : No fire hazard.
 : No direct explosion hazard.
 : Toxic fumes may be released.

5.3. □□□□ □□□□ □□□□

- □ □ □ : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
 - □ □ □ □ □ □ : Do not attempt to take action without suitable protective equipment. □ □ □ □ □ □ □ □ . Complete protective clothing.

□ □ 6: □ □ □ □ □ □ □

6.1. □□□ □□□□ □□ □□□□ □□□□□ □□

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6.2. □□□ □□□□ □□ □□□□ □□□□

□ □ □ □ □ □ □ □ □ □ □ .

6.3. □□ □□ □□ □□

- □ □ : □ □ □ □ □ □ □ . Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
 - □ □ □ : Take up liquid spill into absorbent material. □ □ □ □ □ □ . On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. □ □ □ □ □ □ □ □ □ □ □ □ □ .
 - □ □ □ □ □ : Dispose of materials or solid residues at an authorized site.

6.4. □□ □□ □□

For further information refer to section 13.

□ □ 7: □ □ □ □ □ □

7.1. □ □ □ □ □ □

N,N-DIMETHYLANILINE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□

□□	: Yellow.
□□	: Clear liquid.
□□□	: 121.18 g/mol
□□	: amine-like odor.
□□ □□	: □□□□
□□□	: □□□□
□□□	: 2 °C
□□ □□□ □□□ □□	: 192 – 194 °C
□□□	: □□□
□□ □□□	: 1 vol %
□□ □□□	: 7 vol %
□□□	: 63 °C
□□□□ □□	: 371 °C
□□ □□	: □□□□
pH	: 7.4
pH □□□ □□	: 0.1 % in water
□□(□□□)	: 1.357 – 1.363 mm ² /s
□□(□□□□)	: 1.3 mPa·s at 25 °C
□□□	: □: 2 % at 20 °C - Immiscible with water □□□: Miscible with ethanol □□□: Miscible with ether □□□: Miscible with acetone
Partition coefficient n-octanol/water (Log Kow)	: □□□□
□□□	: 0.7 mm Hg at 25°C
50°C □□□ □□□	: □□□□
□□	: 0.954 – 0.958 g/cm ³ at 20 °C
□□	: □□□□
20°C □□□ □□ □□ □□	: 4.17 (Air = 1)
□□ □□	: □□□□

9.2. □□□□□□□□

□□ □□ □□

□□ □□ □□(□□□□□□□=1)	: < 1
□□□	: 1.5582 at 20 °C/D

10: □□□□□□□

10.1. □□□

The product is non-reactive under normal conditions of use, storage and transport.

10.2. □□□□□□

Stable under normal conditions.

10.3. □□□□□□□

No dangerous reactions known under normal conditions of use.

10.4. □□□□□□□

□□□□. Overheating. Open flame. □. Sparks.

10.5. □□□□□□□

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10.6. □□□□□□□□□□□

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

N,N-DIMETHYLANILINE FOR SYNTHESIS

□□□□□□□□□

□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□

□□ 11: □□□ □□ □□

11.1. □□ (EC) No 1272/2008 □□□, □□□ □□□ □□□

□□ □□ (□□)	: □□□ □□□.
□□ □□ (□□)	: □□□ □□□ □□□.
□□ □□ (□□)	: □□□□ □□□.
□□ □□□ □□ □□□	: □□□□ □□
	pH: 7.4

N,N-DIMETHYLANILINE (121-69-7)

pH	7.4
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□□ □□□ □□ □□□	: □□□□ □□
	pH: 7.4

N,N-DIMETHYLANILINE (121-69-7)

pH	7.4
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□□□ □□ □□ □□□	: □□□□ □□
□□□□ □□□	: □□□□ □□
□□□	: □□ □□□ □□□ □□□.
□□□□	: □□□□ □□
□□ □□□ □□ (1□ □□)	: □□□□ □□
□□ □□□ □□ (□□ □□)	: □□□□ □□
□□ □□□	: □□□□ □□

N,N-DIMETHYLANILINE FOR SYNTHESIS (121-69-7)

□□(□□□)	1.357 – 1.363 mm ² /s
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N,N-DIMETHYLANILINE (121-69-7)

□□(□□□)	1.357 – 1.363 mm ² /s
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11.2. □□ □□ □□

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12: □□□ □□□ □□

12.1. □□

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□□□ - □□	: □□□□ □□ □□□□□□ □□□.
□□ □□□□ □□□	: □□□□ □□
□□ □□□□ □□□	: □□□□ □□ □□□□□□ □□□.

12.2. □□□ □□□

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N,N-DIMETHYLANILINE (121-69-7)

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12.3. □□ □□□

□□ □□

12.4. □□ □□□

□□ □□

N,N-DIMETHYLANILINE FOR SYNTHESIS

□ (EU) 2020/878 □ □ □ □ REACH □ (EC) 1907/2006 □ □

12.5. PBT □ vPvB □□ □□

10

12.6. □□□ □□ □□

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12.7. □□ □□ □□

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□ □ 13: □ □ □ □ □ □

13.1. □ □ □ □ □

□ □ □ □(□ □ □)
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□ □ / □ □ □ □ □ □ □

Ecological waste information

□ □ 14: □ □ □ □ □ □

ADR / IMDG / IATA / ADN / RID □ □ □

14.1. UN □□ □□ ID □□

UN-□□ (ADR) : UN 2253
UN-□□ (IMDG) : UN 2253
UN-□□ (IATA) : UN 2253
UN-□□ (ADN) : UN 2253
UN-□□ (RID) : UN 2253

14.2. UN □□ □□□

□□ □□ (ADR)	: N,N-□□□□□□□
□□ □□ (IMDG)	: N,N-DIMETHYLANILINE
□□ □□ (IATA)	: N,N-Dimethylaniline
□□ □□ (ADN)	: N,N-□□□□□□□
□□ □□ (RID)	: N,N-□□□□□□□
□□ □□ □ (ADR) (ADR)	: UN 2253 N,N-□□□□□□□, 6.1, II, (D/E), □□□ □□
□□ □□ □ (IMDG)	: UN 2253 N,N-DIMETHYLANILINE, 6.1, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
□□ □□ □ (IATA)	: UN 2253 N,N-Dimethylaniline, 6.1, II, ENVIRONMENTALLY HAZARDOUS
□□ □□ □ (ADN)	: UN 2253 N,N-□□□□□□□, 6.1, II, □□□ □□
□□ □□ □ (RID)	: UN 2253 N,N-□□□□□□□, 6.1, II, □□□ □□

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR) : 6.1
□□ □□ (ADR) : 6.1



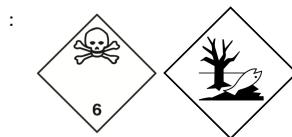
IMDG

□□□□□ □□□ □□ (IMDG) : 6.1
□□ □□ (IMDG) : 6.1

N,N-DIMETHYLANILINE FOR SYNTHESIS

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□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□



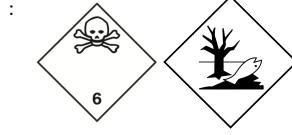
IATA

□□□□□ □□□ □□ (IATA)

□□ □□ (IATA)

: 6.1

: 6.1



ADN

□□□□□ □□□ □□ (ADN)

□□ □□ (ADN)

: 6.1

: 6.1



RID

□□□□□ □□□ □□ (RID)

□□ □□ (RID)

: 6.1

: 6.1



14.4. □□□□

□□ □□ (ADR)

: II

□□ □□(IMDG)

: II

□□ □□ (IATA)

: II

□□ □□(ADN)

: II

□□ □□(RID)

: II

14.5. □□□□

□□□ □□

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□□□□□□

: □□

EmS-No. (□□)

: F-A

EmS-No. (□□)

: S-A

□□□ □□□□

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14.6. □□□□□ □□□□ □□□□

□□ □□

□□ □□ (ADR)

: T1

□□□(ADR)

: 100ml

□□□(ADR)

: E4

□□ □□(ADR)

: P001, IBC02

□□ □□ □□ □□ □□(ADR)

: MP15

□□ □□ □□ □□ □□ □□(ADR)

: T7

□□ □□ □□ □□ □□ □□(ADR)

: TP2

□□ □□(ADR)

: L4BH

□□ □□ □□(ADR)

: TU15, TE19

□□ □□□ □□

: AT

□□ □□(ADR)

: 2

□□ □□ □□ □□ - □□, □□ □□ □□(ADR)

: CV13, CV28

□□ □□ □□ - □□(ADR)

: S9, S19

□□ □□ □□(Kemler □□)

: 60

N,N-DIMETHYLANILINE FOR SYNTHESIS

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□□ (EU) 2020/878 □ □ □ REACH □ □ (EC) 1907/2006 □ □

Orange plates (□□□□□□)

:
60
2253

□□ □□ □□ (ADR)

: D/E

EAC □□

: 3Z

□□ □□

□□ □□(IMDG)

: 100 ml

□□□(IMDG)

: E4

□□ □□ (IMDG)

: P001

IBC □□ □□(IMDG)

: IBC02

□□ □□ (IMDG)

: T7

□□ □□ □□ (IMDG)

: TP2

□□ □□ (IMDG)

: A

□□□□□□ (IMDG)

: Yellowish to brownish oily liquid. Combustible. Toxic if swallowed, by skin contact or by inhalation.

MFAG-□□

: 153

□□ □□

PCA □□ □□(IATA)

: E4

PCA □□ □□(IATA)

: Y641

PCA □□ □□ □□ □□(IATA)

: 1L

PCA □□ □□(IATA)

: 654

PCA □□ □□(IATA)

: 5L

CAO □□ □□(IATA)

: 662

CAO □□ □□(IATA)

: 60L

ERG □□(IATA)

: 6L

□□ □□ □□

□□ □□(ADN)

: T1

□□ □□(ADN)

: 802

□□□(ADN)

: 100 ml

□□□(ADN)

: E4

□□ □□(ADN)

: PP, EP, TOX, A

□□(ADN)

: VE02

□□ □□/□□□ □□(ADN)

: 2

□□ □□

□□ □□(RID)

: T1

□□ □□(RID)

: 100ml

□□□(RID)

: E4

□□ □□ (RID)

: P001, IBC02

□□ □□ □□ □□ □□(RID)

: MP15

□□□ □□ □□ □□ □□ □□ □□ (RID)

: T7

□□□ □□ □□ □□ □□ □□ □□ (RID)

: TP2

RID □□□ □□ □□(RID)

: L4BH

RID □□□ □□ □□(RID)

: TU15

□□ □□(RID)

: 2

□□ □□ □□ □□ -□□, □□ □□ □□(RID)

: CW13, CW28, CW31

□□ □□

: CE5

□□□ □□ □□ (RID)

: 60

14.7. □□□□□□(IMO) □ □ □ □ □ □ □

□□□□

N,N-DIMETHYLANILINE FOR SYNTHESIS

□□□□□□□□□

□□ (EU) 2020/878 □□ □□□ REACH □□ (EC) 1907/2006 □□

□□ □ □□□□:

DNEL	□□ □□□ □□
EC □□	□□ □□□ □□
EC50	Median effective concentration
ED	□□□ □□□□
EN	□□ □□
EWC	European waste catalogue
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	□□□ □□ □□
OSHA	Occupational Safety & Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	□□ □□□ □□
PPE	□□ □□□
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	□□□□□□□□
STP	Sewage treatment plant
TF	□□□ □□
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
COV	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	□□ □□ □□□

□H □ EUH □ □:

□□ □□ 3 (□□)	□□ □□ (□□), □□ 3
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N,N-DIMETHYLANILINE FOR SYNTHESIS

□ (EU) 2020/878 □ □ □ □ □ REACH □ (EC) 1907/2006 □ □

□ H □ □ EUH □ □ □:	
□□□□ 3 (□□)	□□□□ (□□), □□ 3
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□□□ 2	□□□, □□ 2
H301	□□□ □□□.
H311	□□□ □□□□ □□□.
H331	□□□□ □□□.
H351	□□□□ □□□ □□□.
H411	□□□□ □□□ □□ □□□□□□ □□□.

□□□□□(SDS), EU