

N,N-dimethyl-p-toluidine

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Date of issue: 10/30/2019 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|----------------|------------------------------------|
| Product form | : Substance |
| Substance name | : N,N-dimethyl-p-toluidine |
| Chemical name | : N,N-dimethyl-p-toluidine |
| IUPAC name | : N,N,4-trimethylaniline |
| EC Index-No. | : 612-056-00-9 |
| EC-No. | : 202-805-4 |
| CAS-No. | : 99-97-8 |
| Product code | : 90028115 |
| Formula | : C ₉ H ₁₃ N |
| Product group | : Trade product |

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Main use category | : Laboratory use, Industrial use, Professional use |
| Industrial/Professional use spec | : Industrial For professional use only |
| Use of the substance/mixture | : For analytical purposes Scientific research and development Not for human consumption or veterinary purposes. |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Scafell Organics
Molekula Ltd
Lingfield Way
Darlington - England
T +44 (0) 1949 823777 / +44 (0) 7590 545705
info@molekula.com / kbowen@molekula.com - www.molekula.com

1.4. Emergency telephone number

Emergency number : +44 (0) 7590 545705

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|---|------|
| Acute toxicity (inhal.), Category 3 | H331 |
| Acute toxicity (dermal), Category 3 | H311 |
| Acute toxicity (oral), Category 3 | H301 |
| Specific target organ toxicity — Repeated exposure, Category 2 | H373 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 |
| Full text of H statements : see section 16 | |

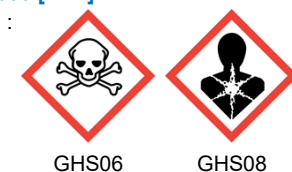
Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS06

GHS08

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H331 - Toxic if inhaled.
H311 - Toxic in contact with skin.
H301 - Toxic if swallowed.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

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| | |
|--------------------------------|--|
| Precautionary statements (CLP) | : P201 - Obtain special instructions before use. P260 - Do not breathe vapours. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P308+P313 - IF exposed or concerned: Get medical advice/attention. |
|--------------------------------|--|

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

| Name | Product identifier | % |
|--------------------------|--|-----|
| N,N-dimethyl-p-toluidine | (CAS-No.) 99-97-8 (EC-No.) 202-805-4 (EC Index-No.) 612-056-00-9 | 100 |

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If possible show this sheet, if not available show packaging or label. Do not leave affected person unattended. |
| First-aid measures after inhalation | : Allow affected person to breathe fresh air. Allow the victim to rest. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects | : There are potential chronic health effects to consider. |
| Symptoms/effects after inhalation | : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Headache. More severe symptoms are also possible. |
| Symptoms/effects after skin contact | : Repeated exposure to this material can result in absorption through skin causing significant health hazard. May cause skin irritation. Redness, pain. More severe symptoms are also possible. |
| Symptoms/effects after eye contact | : May cause severe irritation. Blurred vision. redness, itching, tears. stinging. |
| Symptoms/effects after ingestion | : Swallowing a small quantity of this material will result in serious health hazard. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. More severe symptoms are also possible. |

4.3. Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER/doctor.

SECTION 5: Firefighting 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. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|--|
| Fire hazard | : The vapours are denser than air and may travel along the ground. Distance ignition possible. |
| Hazardous decomposition products in case of fire | : Carbon oxides (CO, CO ₂). Nitrogen oxides. |

5.3. Advice for firefighters

| | |
|--------------------------------|---|
| Precautionary measures fire | : Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |
| Other information | : Warn all persons of toxic hazard. |

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Isolate from fire, if possible, without unnecessary risk. Do not breathe gas, fumes, vapour or spray. No flames, no sparks. Eliminate all sources of ignition.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.

Measures in case of dust release : Shelter from vapours by keeping upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain the spilled material by bunding.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Try to stop release if without risk.

Other information : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid formation of vapours. Provide local exhaust or general room ventilation.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ensure adequate ventilation, especially in confined areas.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Protect from light.

Incompatible products : Acid chlorides. Acids. Strong oxidizing agents. Acid anhydrides. Nitric acid.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage area : Store at ambient temperature. Store below 20 °C. Store in a dark area.

7.3. Specific end use(s)

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| N,N-dimethyl-p-toluidine (99-97-8) | |
|--|------------------------------|
| DNEL/DMEL (Workers) | |
| Long-term - systemic effects, dermal | 694.167 µg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.224 mg/m³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 173.542 µg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 301.812 µg/m³ |
| Long-term - systemic effects, dermal | 292.522 µg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 13.7 - 152.59 µg/L |
| PNEC aqua (marine water) | 1.37 - 15.259 µg/L |

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| N,N-dimethyl-p-toluidine (99-97-8) | |
|--------------------------------------|---------------------------|
| PNEC aqua (intermittent, freshwater) | 0 (137 - 152.59) µg/L |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 45.378 - 48.245 mg/kg dwt |
| PNEC sediment (marine water) | 43.378 - 48.245 mg/kg dwt |
| PNEC (Soil) | |
| PNEC soil | 18.677 - 20.365 mg/kg dwt |
| PNEC (STP) | |
| PNEC sewage treatment plant | 1.36 - 4.286 mg/l |

8.2. Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures. Floors should be impervious, resistant to liquids and easy to clean.

Personal protective equipment:

Avoid all unnecessary exposure.

| Materials for protective clothing: | | | | | |
|---|---|-------------------|----------------|-------------|----------|
| Wear suitable protective clothing, gloves and eye/face protection. Use chemically protective clothing | | | | | |
| Hand protection: | | | | | |
| Wear protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374 | | | | | |
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| | Nitrile rubber (NBR), Butyl rubber, Viton® II | 6 (> 480 minutes) | 0.7 | | EN 374 |

Eye protection:

Chemical goggles or safety glasses. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes.

| Type | Use | Characteristics | Standard |
|-----------------------------|------------------|---|----------|
| Safety goggles, Face shield | Droplet, vapours | tightly fitting safety goggles, With side shields | EN 166 |

Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

| Type | Standard |
|---|----------|
| Total impervious protective suits, gloves, and boots must be worn to prevent any contact with the product | EN 14605 |

Respiratory protection:

Wear appropriate mask. Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Device | Filter type | Condition | Standard |
|--|--|---|------------------|
| Air-Purifying Respirator (APR), reusable, Respiratory protective device with a particle filter | ABEK, Type A - High-boiling (>65 °C) organic compounds | Moist condition, Mist formation, Protection for Liquid particles, Vapour protection | EN 14387, EN 143 |

Environmental exposure controls:

Avoid formation of vapours. Prevent entry to sewers and public waters. Ensure that there is a suitable ventilation system. Avoid release to the environment.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Do not eat, drink or smoke during use.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | : Liquid |
| Appearance | : Oily. |
| Molecular mass | : 135.21 g/mol |
| Colour | : Colourless. Beige. Yellow. |
| Odour | : characteristic. Sweet. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : -25 - -15 °C lit |
| Freezing point | : No data available |
| Boiling point | : 211 - 215 °C lit |
| Flash point | : 76 - 83 °C lit |
| Auto-ignition temperature | : 425 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : 0.1 hPa at 20 °C |
| Relative vapour density at 20 °C | : 4.66 |
| Relative density | : 0.94 g/cm3 at 20 °C |
| Solubility | : Miscible with : Alcohols. Ether. Chloroform. Immiscible with water. Water: 0.65 g/l at 37 °C |
| Log Pow | : 2.81 lit |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 14.4 mPa·s at 20 °C - lit |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|------------------|---------|
| Refractive index | : 1.546 |
|------------------|---------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Not established. Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Not established. No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Acid chlorides. Acid anhydrides. Strong oxidizers. Acids. Nitric acid.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|---------------------------------------|
| Acute toxicity (oral) | : Oral: Toxic if swallowed. |
| Acute toxicity (dermal) | : Dermal: Toxic in contact with skin. |
| Acute toxicity (inhalation) | : Inhalation: Toxic if inhaled. |

| N,N-dimethyl-p-toluidine (99-97-8) | |
|---|--|
| LD50 oral rat | 1650 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (Vapours - mg/l/4h) | 1400 mg/l/4h Mucosal irritations, Cough, Shortness of breath |
| Skin corrosion/irritation | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | : Not classified |

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| | |
|---|--|
| Additional information | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-single exposure | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
| Additional information | : There are potential chronic health effects to consider Based on available data, the classification criteria are not met |
| Aspiration hazard | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | : Toxic if swallowed. Toxic in contact with skin. Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - water | : Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

N,N-dimethyl-p-toluidine (99-97-8)

| | |
|-------------|---|
| LC50 fish 1 | 100 ml/l 96h - Danio rerio (zebra fish) |
|-------------|---|

12.2. Persistence and degradability

N,N-dimethyl-p-toluidine (99-97-8)

| | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

12.3. Bioaccumulative potential

N,N-dimethyl-p-toluidine (99-97-8)

| | |
|---------------------------|-----------------------------|
| Log Pow | 2.81 lit |
| Bioaccumulative potential | Potentially bioaccumulable. |

12.4. Mobility in soil

N,N-dimethyl-p-toluidine (99-97-8)

| | |
|----------------|-----------------------------------|
| Ecology - soil | Insoluble in water. low mobility. |
|----------------|-----------------------------------|

12.5. Results of PBT and vPvB assessment

N,N-dimethyl-p-toluidine (99-97-8)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

| | |
|------------------------|--|
| Other adverse effects | : Harmful to aquatic life with long lasting effects. |
| Additional information | : Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Ecology - waste materials | : Avoid release to the environment. Hazardous waste due to toxicity. |

SECTION 14: Transport information






In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|------------------------|------|------|------|------|
| 14.1. UN number | | | | |
| 2810 | 2810 | 2810 | 2810 | 2810 |

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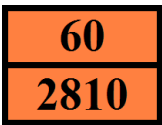
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| 14.2. UN proper shipping name | | | | |
|---|---|---|---|---|
| TOXIC LIQUID, ORGANIC, N.O.S. | TOXIC LIQUID, ORGANIC, N.O.S. | Toxic liquid, organic, n.o.s. | TOXIC LIQUID, ORGANIC, N.O.S. | TOXIC LIQUID, ORGANIC, N.O.S. |
| Transport document description | | | | |
| UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (N,N-Dimethyl-p-toluidine), 6.1, III, (E) | UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (N,N-Dimethyl-p-toluidine), 6.1, III | UN 2810 Toxic liquid, organic, n.o.s. (N,N-Dimethyl-p-toluidine), 6.1, III | UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (N,N-Dimethyl-p-toluidine), 6.1, III | UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (N,N-Dimethyl-p-toluidine), 6.1, III |
| 14.3. Transport hazard class(es) | | | | |
| 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---|
| Classification code (ADR) | : T1 |
| Special provisions (ADR) | : 274, 614 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T7 |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP28 |
| Tank code (ADR) | : L4BH |
| Tank special provisions (ADR) | : TU15, TE19 |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Packages (ADR) | : V12 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28 |
| Special provisions for carriage - Operation (ADR) | : S9 |
| Hazard identification number (Kemler No.) | : 60 |
| Orange plates | :  |

| | |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : E |
| EAC code | : 2X |
| APP code | : B |

Transport by sea

| | |
|---------------------------------|--------------|
| Special provisions (IMDG) | : 223, 274 |
| Packing instructions (IMDG) | : P001, LP01 |
| IBC packing instructions (IMDG) | : IBC03 |
| Tank instructions (IMDG) | : T7 |
| Tank special provisions (IMDG) | : TP1, TP28 |
| EmS-No. (Fire) | : F-A |

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| | |
|------------------------------------|---|
| EmS-No. (Spillage) | : S-A |
| Stowage category (IMDG) | : A |
| Stowage and handling (IMDG) | : SW2 |
| Properties and observations (IMDG) | : Toxic if swallowed, by skin contact or by inhalation. |

Air transport

| | |
|--|----------------|
| PCA Excepted quantities (IATA) | : E1 |
| PCA Limited quantities (IATA) | : Y642 |
| PCA limited quantity max net quantity (IATA) | : 2L |
| PCA packing instructions (IATA) | : 655 |
| PCA max net quantity (IATA) | : 60L |
| CAO packing instructions (IATA) | : 663 |
| CAO max net quantity (IATA) | : 220L |
| Special provisions (IATA) | : A3, A4, A137 |
| ERG code (IATA) | : 6L |

Inland waterway transport

| | |
|-----------------------------------|------------------|
| Classification code (ADN) | : T1 |
| Special provisions (ADN) | : 274, 614, 802 |
| Limited quantities (ADN) | : 5 L |
| Excepted quantities (ADN) | : E1 |
| Carriage permitted (ADN) | : T |
| Equipment required (ADN) | : PP, EP, TOX, A |
| Ventilation (ADN) | : VE02 |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|---|---------------------------|
| Classification code (RID) | : T1 |
| Special provisions (RID) | : 274, 614 |
| Excepted quantities (RID) | : E1 |
| Packing instructions (RID) | : P001, IBC03, LP01, R001 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T7 |
| Portable tank and bulk container special provisions (RID) | : TP1, TP28 |
| Tank codes for RID tanks (RID) | : L4BH |
| Special provisions for RID tanks (RID) | : TU15 |
| Transport category (RID) | : 2 |
| Special provisions for carriage – Packages (RID) | : W12 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28, CW31 |
| Colis express (express parcels) (RID) | : CE8 |
| Hazard identification number (RID) | : 60 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

| | |
|--|--------------------------|
| The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006: | |
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 | N,N-dimethyl-p-toluidine |
| 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | N,N-dimethyl-p-toluidine |
| 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 | N,N-dimethyl-p-toluidine |

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N,N-dimethyl-p-toluidine is not on the REACH Candidate List

Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Data sources : 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.

Other information : None.

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| H301 | Toxic if swallowed. |
| H311 | Toxic in contact with skin. |
| H331 | Toxic if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects. |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.