

### MATERIAL SAFETY DATA SHEET (MSDS)

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

##### 1.1. Product identifier

|                    |  |
|--------------------|--|
| Product form       | : Substance  |
|                    | :  |
| EC-No.             | : 204-690-6  |
| CAS-No.            | : 124-22-1   |
| Product code       | : 3572E  |
| Formula            | : C <sub>12</sub> H <sub>27</sub> N  |
| Chemical structure | : CH <sub>3</sub> (CH <sub>2</sub> ) <sub>10</sub> CH <sub>2</sub> NH <sub>2</sub> |
| Synonyms           | : Laurylamine  |

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

###### 1.2.1. Relevant identified uses

|                                  |   |
|----------------------------------|---|
| Industrial/Professional use spec | : Industrial<br>For professional use only |
|----------------------------------|---|

###### 1.2.2. Uses advised against

No additional information available

##### 1.3. Details of the supplier of the safety data sheet

SPAN LAB  
UNIT NO. 14, SKY INDUSTRIAL ESTATE, WALIV, VASAI (E)  
401208 Mumbai - INDIA  
PH: +91 9820509929  
[info@spanlab.in](mailto:info@spanlab.in) [www.spanlab.in](http://www.spanlab.in)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

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

|   |      |
|---|------|
| Acute toxicity (oral),<br>Category 4                                    | H302 |
| Skin corrosion/irritation,<br>Category 1B                               | H314 |
| Hazardous to the aquatic<br>environment — Chronic<br>Hazard, Category 1 | H410 |

Full text of H statements : see section 16

# DODECYLAMINE For Synthesis

## Safety Data Sheet

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R22

C; R34

N; R50/53

Full text of R-phrases: 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) :



GHS05

GHS07

GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : DODECYLAMINE For Synthesis

CAS-No. : 124-22-1

EC-No. : 204-690-6

Full text of R- and H-statements: see section 16

### 3.2. Mixtures

Not applicable

# DODECYLAMINE For Synthesis

## Safety Data Sheet

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of water/.... Immediately call a POISON CENTER/doctor.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

- Symptoms/effects : Causes severe skin burns and eye damage.
- Symptoms/effects after ingestion : Harmful if swallowed.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
- 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 enter fire area without proper protective equipment, including respiratory protection.

### SECTION 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 : Ventilate area.

#### 6.2. Environmental precautions

Very toxic to aquatic life with long lasting effects.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

# DODECYLAMINE For Synthesis

## Safety Data Sheet

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection : Protective gloves  
Eye protection : Chemical goggles or face shield  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Molecular mass : 185.35 g/mol  
Colour : Colourless.  
Odour : No data available  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : 28 - 32 °C  
Freezing point : No data available  
Boiling point : 247 - 249 °C  
Flash point : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : No data available  
Solubility : No data available

# DODECYLAMINE For Synthesis

## Safety Data Sheet

|                      |                     |
|----------------------|---------------------|
| 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     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 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

Air contact. Direct sunlight. Overheating. Open flame.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Serious eye damage, category 1, implicit

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

# DODECYLAMINE For Synthesis

## Safety Data Sheet

Potential adverse human health effects and symptoms : Harmful if swallowed.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

#### 12.2. Persistence and degradability

##### DODECYLAMINE For Synthesis (124-22-1)

|                               |   |
|-------------------------------|---|
| 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

### 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.

### SECTION 14: Transport information

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

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 3259 |
| UN-No. (IMDG) | : 3259 |
| UN-No. (IATA) | : 3259 |
| UN-No. (ADN)  | : 3259 |
| UN-No. (RID)  | : 3259 |

#### 14.2. UN proper shipping name

|                                      |  |
|--------------------------------------|--|
| Proper Shipping Name (ADR)           | : AMINES, SOLID, CORROSIVE, N.O.S.   |
| Proper Shipping Name (IMDG)          | : AMINES, SOLID, CORROSIVE, N.O.S.   |
| Proper Shipping Name (IATA)          | : Amines, solid, corrosive, n.o.s.   |
| Proper Shipping Name (ADN)           | : AMINES, SOLID, CORROSIVE, N.O.S.   |
| Proper Shipping Name (RID)           | : AMINES, SOLID, CORROSIVE, N.O.S.   |
| Transport document description (ADR) | : UN 3259 AMINES, SOLID, CORROSIVE, N.O.S., 8, III, (E), ENVIRONMENTALLY HAZARDOUS |

# DODECYLAMINE For Synthesis

## Safety Data Sheet

|                                       |  |
|---------------------------------------|--|
| Transport document description (IMDG) | : UN 3259 AMINES, SOLID, CORROSIVE, N.O.S., 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IATA) | : UN 3259 Amines, solid, corrosive, n.o.s., 8, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (ADN)  | : UN 3259 AMINES, SOLID, CORROSIVE, N.O.S., 8, III, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (RID)  | : UN 3259 AMINES, SOLID, CORROSIVE, N.O.S., 8, III, ENVIRONMENTALLY HAZARDOUS                  |

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 8

Danger labels (ADR) : 8



#### IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8



#### IATA

Transport hazard class(es) (IATA) : 8

Hazard labels (IATA) : 8



#### ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8



#### RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8



# DODECYLAMINE For Synthesis

## Safety Data Sheet

### 14.4. Packing group


|                      |       |
|----------------------|-------|
| Packing group (ADR)  | : III |
| Packing group (IMDG) | : III |
| Packing group (IATA) | : III |
| Packing group (ADN)  | : III |
| Packing group (RID)  | : III |

### 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)                                 | : C8  |
| Special provisions (ADR)                                  | : 274   |
| Limited quantities (ADR)                                  | : 5kg   |
| Excepted quantities (ADR)                                 | : E1  |
| Packing instructions (ADR)                                | : P002, IBC08, LP02, R001   |
| Special packing provisions (ADR)                          | : B3  |
| Mixed packing provisions (ADR)                            | : MP10  |
| Portable tank and bulk container instructions (ADR)       | : T1  |
| Portable tank and bulk container special provisions (ADR) | : TP33  |
| Tank code (ADR)   | : SGAV, L4BN  |
| Vehicle for tank carriage                                 | : AT  |
| Transport category (ADR)                                  | : 3   |
| Special provisions for carriage - Bulk (ADR)              | : VC1, VC2, AP7   |
| Hazard identification number (Kemler No.)                 | : 80  |
| Orange plates   | :  |
| Tunnel restriction code (ADR)                             | : E   |
| EAC code  | : 2X  |

#### - Transport by sea

|                                    |   |
|------------------------------------|---|
| Special provisions (IMDG)          | : 223, 274  |
| Packing instructions (IMDG)        | : P002, LP02  |
| IBC packing instructions (IMDG)    | : IBC08   |
| IBC special provisions (IMDG)      | : B3  |
| Tank instructions (IMDG)           | : T1  |
| Tank special provisions (IMDG)     | : TP33  |
| EmS-No. (Fire)                     | : F-A   |
| EmS-No. (Spillage)                 | : S-B   |
| Stowage category (IMDG)            | : A   |
| Segregation (IMDG)                 | : SG35  |
| Properties and observations (IMDG) | : Colourless to yellowish solids with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Cause burns to skin, eyes and mucous membranes. React violently with acids. |
| MFAG-No                            | : 154   |



# DODECYLAMINE For Synthesis

## Safety Data Sheet

### - Air transport

|  |            |
|--|------------|
| PCA Excepted quantities (IATA)               | : E1       |
| PCA Limited quantities (IATA)                | : Y845     |
| PCA limited quantity max net quantity (IATA) | : 5kg      |
| PCA packing instructions (IATA)              | : 860      |
| PCA max net quantity (IATA)                  | : 25kg     |
| CAO packing instructions (IATA)              | : 864      |
| CAO max net quantity (IATA)                  | : 100kg    |
| Special provisions (IATA)                    | : A3, A803 |
| ERG code (IATA)                              | : 8L       |

### - Inland waterway transport

|                                   |          |
|-----------------------------------|----------|
| Classification code (ADN)         | : C8     |
| Special provisions (ADN)          | : 274    |
| Limited quantities (ADN)          | : 5 kg   |
| Excepted quantities (ADN)         | : E1     |
| Carriage permitted (ADN)          | : T      |
| Equipment required (ADN)          | : PP, EP |
| Number of blue cones/lights (ADN) | : 0      |

### - Rail transport

|   |                           |
|---|---------------------------|
| Classification code (RID)                                 | : C8                      |
| Special provisions (RID)                                  | : 274                     |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P002, IBC08, LP02, R001 |
| Special packing provisions (RID)                          | : B3                      |
| Mixed packing provisions (RID)                            | : MP10                    |
| Portable tank and bulk container instructions (RID)       | : T1                      |
| Portable tank and bulk container special provisions (RID) | : TP33                    |
| Tank codes for RID tanks (RID)                            | : SGAV, L4BN              |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Bulk (RID)              | : VC1, VC2, AP7           |
| Colis express (express parcels) (RID)                     | : CE11                    |
| Hazard identification number (RID)                        | : 80                      |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

No REACH Annex XVII restrictions

DODECYLAMINE For Synthesis is not on the REACH Candidate List

DODECYLAMINE For Synthesis is not on the REACH Annex XIV List

# DODECYLAMINE For Synthesis

## Safety Data Sheet

### 15.1.2. National regulations

#### Germany

Reference to AwSV : Water hazard class (WGK) 3, severe hazard to water (Classification according to AwSV; ID No. 1654)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

#### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4   |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1                               |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1B  |
| H302                | Harmful if swallowed.   |
| H314                | Causes severe skin burns and eye damage.  |
| H410                | Very toxic to aquatic life with long lasting effects.   |
| R22                 | Harmful if swallowed  |
| R34                 | Causes burns  |
| R50/53              | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| C                   | Corrosive   |
| N                   | Dangerous for the environment   |
| Xn                  | Harmful   |

*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*