

# Diffusol M CC-16276

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 6/22/2021



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

#### 1.1. Product identifier

Product form : Substance  
Substance name : Diffusol M  
UFI : 6V98-U4NS-400J-R109  
Product code : CC-16276  
Type of product : Perfumes, Fragrances  
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 : Industrial use, Professional use  
Industrial/Professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Perfumes, Fragrances  
Function or use category : Odour agents

##### 1.2.2. Uses advised against

No additional information available

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

Candle Craft  
Weiherrwiese 10  
65510 Idstein - Germany  
T 49-6126-9363 -0  
info@candlecraft.de - www.candlecraft.de

#### 1.4. Emergency telephone number

Emergency number : 1-800-255-3924; +01-813-248-0585; China:+400-120-0751; Mexico:+01-800-099-0731;  
Brazil: +0-800-591-6042; India: +000-800-100-4086

### SECTION 2: Hazards identification

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

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

Serious eye damage/eye irritation, Category 2 H319  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name : Diffusol M CC-16276

| Name                           | Product identifier                                                     | %        |
|--------------------------------|------------------------------------------------------------------------|----------|
| 1-Butanol, 3-methoxy-3-methyl- | CAS-No.: 56539-66-3<br>EC-No.: 260-252-4<br>REACH-no: 01-2119976333-33 | 90 – 100 |

### 3.2. Mixtures

Not applicable

## 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.                                                                                                                 |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                                                                                                                |
| 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    | : Call a poison center/doctor/physician if you feel unwell.                                                                                                                      |

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

Symptoms/effects after eye contact : Eye irritation.

### 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 : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

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### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**  
Ensure good ventilation of the work station.

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### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Physical state                                  | : Liquid                        |
| Appearance                                      | : Colorless liquid.             |
| Color                                           | : Colorless.                    |
| Odor                                            | : slight. ether-like.           |
| Odor threshold                                  | : No data available             |
| pH                                              | : No data available             |
| Relative evaporation rate (butyl acetate=1)     | : No data available             |
| Melting point                                   | : Not applicable                |
| Freezing point                                  | : No data available             |
| Boiling point                                   | : 173 °C                        |
| Flash point                                     | : 71 °C                         |
| Auto-ignition temperature                       | : 395 °C                        |
| Decomposition temperature                       | : No data available             |
| Flammability (solid, gas)                       | : Not applicable                |
| Vapor pressure                                  | : 0.47 hPa (20 °C)              |
| Relative vapor density at 20 °C                 | : 4.1                           |
| Relative density                                | : No data available             |
| Density                                         | : 0.91 g/cm <sup>3</sup> (20°C) |
| Solubility                                      | : completely miscible.          |
| Partition coefficient n-octanol/water (Log Pow) | : 0.18                          |
| Viscosity, kinematic                            | : 13.736 mm <sup>2</sup> /s     |
| Viscosity, dynamic                              | : 12.5 mPa·s (20 °C)            |
| Explosive properties                            | : No data available             |
| Oxidizing properties                            | : No data available             |
| Lower explosive limit (LEL)                     | : 1.2 vol %                     |
| Upper explosive limit (UEL)                     | : 13.1 vol %                    |

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### 9.2. Other information

No additional information available

## 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

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

| Diffusol M CC-16276                         |              |
|---------------------------------------------|--------------|
| LD50 oral rat                               | 4400 mg/kg   |
| LD50 dermal rat                             | 2000 mg/kg   |
| 1-Butanol, 3-methoxy-3-methyl- (56539-66-3) |              |
| LD50 dermal rat                             | > 2000 mg/kg |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

| Diffusol M CC-16276          |                       |
|------------------------------|-----------------------|
| LOAEL (oral, rat)            | 250 mg/kg body weight |
| LOAEC (inhalation, rat, gas) | 0.53 mg/l             |
| NOAEL (oral, rat)            | 60 mg/kg body weight  |

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

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### Diffusol M CC-16276

|                      |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | 13.736 mm <sup>2</sup> /s |
|----------------------|---------------------------|

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### Diffusol M CC-16276

|                      |                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | ≤ 100 mg/l Exposure time: 96 h                                                                     |
| EC50 - Crustacea [1] | > 1000 mg/l EC50 (Daphnia magna (Water flea)), Exposure time: 48 h                                 |
| ErC50 algae          | > 1000 mg/l (Selenastrum capricornutum (green algae)): Exposure time: 72 h                         |
| NOEC chronic fish    | 100 ml/l Exposure time: 72 h, Species: Daphnia magna (Water flea), Method: OECD Test Guideline 211 |
| NOEC chronic algae   | > 1000 mg/l Selenastrum capricornutum (green algae): Exposure time: 72 h                           |

### 1-Butanol, 3-methoxy-3-methyl- (56539-66-3)

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| LC50 - Fish [1] | > 100 mg/l (Exposure time: 96 h - Species: Oryzias latipes [semi-static]) |
|-----------------|---------------------------------------------------------------------------|

### 12.2. Persistence and degradability

### Diffusol M CC-16276

|                |                                                             |
|----------------|-------------------------------------------------------------|
| Biodegradation | 78.9 % Exposure time: 28 d, Method: OECD Test Guideline 310 |
|----------------|-------------------------------------------------------------|

### 12.3. Bioaccumulative potential

### Diffusol M CC-16276

|                                                 |      |
|-------------------------------------------------|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.18 |
|-------------------------------------------------|------|

### 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

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

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

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### 14.1. UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN)  | : Not applicable |
| UN-No. (RID)  | : Not applicable |

### 14.2. UN proper shipping name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (ADR)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN)  | : Not applicable |
| Proper Shipping Name (RID)  | : Not applicable |

### 14.3. Transport hazard class(es)

**ADR**  
Transport hazard class(es) (ADR) : Not applicable

**IMDG**  
Transport hazard class(es) (IMDG) : Not applicable

**IATA**  
Transport hazard class(es) (IATA) : Not applicable

**ADN**  
Transport hazard class(es) (ADN) : Not applicable

**RID**  
Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (ADR)  | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN)  | : Not applicable |
| Packing group (RID)  | : Not applicable |

### 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : No                                     |
| Marine pollutant              | : No                                     |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

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### 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

| EU restriction list (REACH Annex XVII) |                                                      |
|----------------------------------------|------------------------------------------------------|
| Reference code                         | Applicable on                                        |
| 3(b)                                   | Diffusol M CC-16276 ; 1-Butanol, 3-methoxy-3-methyl- |

Diffusol M CC-16276 is not on the REACH Candidate List

Diffusol M CC-16276 is not on the REACH Annex XIV List

Diffusol M CC-16276 is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Diffusol M CC-16276 is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

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

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

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

**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

##### Switzerland

Storage class (LK) : LK 10/12 - Liquids

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms |                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                        | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                        | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                        | Acute Toxicity Estimate                                                                         |
| BCF                        | Bioconcentration factor                                                                         |
| BLV                        | Biological limit value                                                                          |
| BOD                        | Biochemical oxygen demand (BOD)                                                                 |



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| Abbreviations and acronyms |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| COD                        | Chemical oxygen demand (COD)                                                 |
| DMEL                       | Derived Minimal Effect level                                                 |
| DNEL                       | Derived-No Effect Level                                                      |
| EC-No.                     | European Community number                                                    |
| EC50                       | Median effective concentration                                               |
| EN                         | European Standard                                                            |
| 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                                         |
| NOAEC                      | No-Observed Adverse Effect Concentration                                     |
| NOAEL                      | No-Observed Adverse Effect Level                                             |
| NOEC                       | No-Observed Effect Concentration                                             |
| OECD                       | Organisation for Economic Co-operation and Development                       |
| OEL                        | Occupational Exposure Limit                                                  |
| PBT                        | Persistent Bioaccumulative Toxic                                             |
| PNEC                       | Predicted No-Effect Concentration                                            |
| RID                        | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                        | Safety Data Sheet                                                            |
| STP                        | Sewage treatment plant                                                       |
| ThOD                       | Theoretical oxygen demand (ThOD)                                             |
| TLM                        | Median Tolerance Limit                                                       |
| VOC                        | Volatile Organic Compounds                                                   |
| CAS-No.                    | Chemical Abstract Service number                                             |
| N.O.S.                     | Not Otherwise Specified                                                      |
| vPvB                       | Very Persistent and Very Bioaccumulative                                     |
| ED                         | Endocrine disrupting properties                                              |

| Full text of H- and EUH-phrases |                                               |
|---------------------------------|-----------------------------------------------|
| Eye Irrit. 2                    | Serious eye damage/eye irritation, Category 2 |
| H319                            | Causes serious eye irritation.                |

Safety Data Sheet (SDS), EU

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.