

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 06-Oct-2009

Revision Date 22-Sep-2023

Revision Number 10

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

| Product Description:      | N,N-Dimethylacetamide                                 |
|---------------------------|---|
| Cat No. :                 | 115690000; 115690010; 115690025; 115690050; 115690250 |
| Index No                  | 616-011-00-4  |
| CAS No                    | 127-19-5  |
| EC No                     | 204-826-4   |
| Molecular Formula         | C4 H9 N O   |
| REACH registration number | 01-2119459339-27                                      |
| U                         |   |

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

| Recommended Use<br>Sector of use | Laboratory chemicals.<br>SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites |
|----------------------------------|---|
| Product category                 | PC21 - Laboratory chemicals   |
| Process categories               | PROC15 - Use as a laboratory reagent  |
| Environmental release category   | ERC6a - Industrial use resulting in manufacture of another substance (use of intermediates)                       |
| Uses advised against             | No Information available  |

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

| Company                         | <b>UK entity/business name</b><br>Fisher Scientific UK<br>Bishop Meadow Road,<br>Loughborough, Leicestershire LE11 5RG, United Kingdom<br><b>EU entity/business name</b><br>Thermo Fisher Scientific<br>Janssen Pharmaceuticalaan 3a, 2440 Geel, Belgium |
|---------------------------------|--|
| E-mail address                  | begel.sdsdesk@thermofisher.com   |
| 1.4. Emergency telephone number | For information <b>US</b> call: 001-800-227-6701 / <b>Europe</b> call: +32 14 57 52 11<br>Emergency Number <b>US:</b> 001-201-796-7100 / <b>Europe:</b> +32 14 57 52 99  |

CHEMTREC Tel. No. US:001-800-424-9300 / Europe:001-703-527-3887

# **SECTION 2: HAZARDS IDENTIFICATION**

### 2.1. Classification of the substance or mixture

### CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Physical hazards

### N,N-Dimethylacetamide

Based on available data, the classification criteria are not met

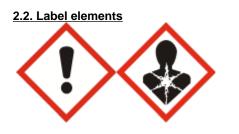
### Health hazards

Acute dermal toxicity Acute Inhalation Toxicity - Vapors Serious Eye Damage/Eye Irritation Reproductive Toxicity

### Environmental hazards

Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16



Signal Word

Danger

### **Hazard Statements**

H312 + H332 - Harmful in contact with skin or if inhaled H319 - Causes serious eye irritation H360D - May damage the unborn child Combustible liquid

### **Precautionary Statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor if you feel unwell
P337 + P313 - If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB)

This product does not contain any known or suspected endocrine disruptors

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.1. Substances

| Component          | CAS No   | EC No             | Weight % | CLP Classification - According to<br>GB-CLP Regulations UK SI 2019/720 and<br>UK SI 2020/1567 |
|--------------------|----------|-------------------|----------|---|
| Dimethyl acetamide | 127-19-5 | EEC No. 204-826-4 | >95      | Acute Tox. 4 (H312)<br>Acute Tox. 4 (H332)<br>Eye Irrit. 2 (H319)                             |

Category 4 (H312) Category 4 (H332) Category 2 (H319) Category 1B (H360D)

Revision Date 22-Sep-2023

N,N-Dimethylacetamide

| REACH registration number | 01-2119459339-27 |
|---------------------------|------------------|
|                           |                  |

Full text of Hazard Statements: see section 16

# **SECTION 4: FIRST AID MEASURES**

### 4.1. Description of first aid measures

| General Advice  | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.  |  |  |
|---|--|--|--|
| Eye Contact   | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.   |  |  |
| Skin Contact  | Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.  |  |  |
| Ingestion   | Do NOT induce vomiting. Call a physician or poison control center immediately.   |  |  |
| Inhalation  | Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. |  |  |
| Self-Protection of the First Aider  | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.   |  |  |
| 4.2. Most important symptoms and effects, both acute and delayed  |  |  |  |
| None reasonably foreseeable. Difficulty in breathing. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting |  |  |  |
| 4.3. Indication of any immediate medical attention and special treatment needed   |  |  |  |

# **SECTION 5: FIREFIGHTING MEASURES**

### 5.1. Extinguishing media

Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Extinguishing media which must not be used for safety reasons No information available.

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

Combustible material. Containers may explode when heated. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.

### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment as required. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

### 6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

# **SECTION 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Keep under nitrogen. Store under an inert atmosphere. Keep container tightly closed in a dry and well-ventilated place. Protect from moisture.

Technical Rules for Hazardous Substances (TRGS) 510Class 6.1CStorage Class (LGK) (Germany)Class 6.1C

### 7.3. Specific end use(s)

Use in laboratories

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters

Exposure limits

### N,N-Dimethylacetamide

List source(s): **EU** - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020. **IRE** - 2021 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

| Component          | The United Kingdom   | European Union   | Ireland  |
|--------------------|--|--|--|
| Dimethyl acetamide | STEL: 20 ppm 15 min<br>STEL: 72 mg/m <sup>3</sup> 15 min<br>TWA: 10 ppm 8 hr<br>TWA: 36 mg/m <sup>3</sup> 8 hr<br>Skin | TWA: 10 ppm (8h)<br>TWA: 36 mg/m <sup>3</sup> (8h)<br>STEL: 20 ppm (15min)<br>STEL: 72 mg/m <sup>3</sup> (15min)<br>Skin | TWA: 10 ppm 8 hr.<br>TWA: 36 mg/m <sup>3</sup> 8 hr.<br>STEL: 20 ppm 15 min<br>STEL: 72 mg/m <sup>3</sup> 15 min<br>Skin |
|                    |  | STEL: 72 mg/m³ (8h)<br>STEL: 20 ppm (8h)   |  |

### **Biological limit values**

List source(s): **UK** - Biological Monitoring Guidance Values provided by the UK's Health and Safety Executive (HSE) Control of Substances Hazardous to Health Regulations (COSHH) 2002 (as amended) and EH40/2005.

| Component          | United Kingdom                  | European Union |
|--------------------|---------------------------------|----------------|
| Dimethyl acetamide | N-methylacetamide: 100 mmol/mol |                |
|                    | creatinine urine post shift     |                |

### Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

### Predicted No Effect Concentration (PNEC)

See values below.

### 8.2. Exposure controls

### Engineering Measures

Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

### Personal protective equipment

| Eye Protection  | Goggles (European standard - EN 166) |                 |                   |   |
|-----------------|--------------------------------------|-----------------|-------------------|---|
| Hand Protection | Protectiv                            | /e gloves       |                   |   |
| Glove material  | Breakthrough time                    | Glove thickness | EU standard       | Glove comments  |
| Butyl rubber    | > 480 minutes                        | 0.635 mm        | Level 6<br>EN 374 | As tested under EN374-3 Determination of<br>Resistance to Permeation by Chemicals |

Long sleeved clothing.

> 84 minutes

Inspect gloves before use.

Neoprene gloves

Skin and body protection

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

0.45 mm

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger

# of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

| Respiratory Protection          | When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.<br>To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly   |
|---------------------------------|---|
| Large scale/emergency use       | Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced <b>Recommended Filter type:</b> Organic gases and vapours filter Type A Brown conforming to EN14387   |
| Small scale/Laboratory use      | Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.<br><b>Recommended half mask:-</b> Valve filtering: EN405; or; Half mask: EN140; plus filter, EN 141<br>When RPE is used a face piece Fit Test should be conducted |
| Environmental exposure controls | No information available.   |

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

| Physical State   | Liquid  |   |
|--|---|---|
| Appearance<br>Odor<br>Odor Threshold<br>Melting Point/Range<br>Softening Point<br>Boiling Point/Range<br>Flammability (liquid)<br>Flammability (solid,gas)<br>Explosion Limits | Colorless<br>Ammonia-like<br>No data available<br>-20 °C / -4 °F<br>No data available<br>164 - 166 °C / 327.2 - 330.8 °F<br>Combustible liquid<br>Not applicable<br>Lower 1.7 vol%<br>Upper 11.5 vol% | @ 760 mmHg<br>On basis of test data<br>Liquid |
| Flash Point  | 70 °C / 158 °F  | Method - No information available             |
| Autoignition Temperature   | 490 °C / 914 °F   |   |
| Decomposition Temperature  | No data available   |   |
| pH   | 4   | 200 g/l aq. sol                               |
| Viscosity  | 1.02 mPa s @ 20 °C  |   |
| Water Solubility   | Soluble   |   |
| Solubility in other solvents   | No information available  |   |
| Partition Coefficient (n-octanol/wat   | 1   |   |
| Component  | log Pow   |   |
| Dimethyl acetamide   | 0.8   |   |
| Vapor Pressure   | 1.7 mbar @ 25 °C  |   |
| Density / Specific Gravity   | 0.937   |   |
| Bulk Density   | Not applicable  | Liquid  |
| Vapor Density  | 3.02  | (Air = 1.0)                                   |
| Particle characteristics   | Not applicable (liquid)   |   |
| 9.2. Other information   |   |   |
| Molecular Formula<br>Molecular Weight<br>Explosive Properties<br>Evaporation Rate  | C4 H9 N O<br>87.12<br>explosive air/vapour mixtures possible<br><0.17 (Butyl Acetate = 1.0)   | e   |

## **SECTION 10: STABILITY AND REACTIVITY**

| 10.1. Reactivity                                | None known, based on information available  |
|---|---|
| 10.2. Chemical stability                        | Stable under normal conditions. Hygroscopic.  |
| 10.3. Possibility of hazardous react            | ions  |
| Hazardous Polymerization<br>Hazardous Reactions | Hazardous polymerization does not occur.<br>None under normal processing.   |
| 10.4. Conditions to avoid                       | Incompatible products. Heat, flames and sparks. Exposure to moisture. Keep away from open flames, hot surfaces and sources of ignition. Exposure to moist air or water. |
| 10.5. Incompatible materials                    | Strong oxidizing agents. Aldehydes. Peroxides. Strong acids.  |

### 10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx).

### **SECTION 11: TOXICOLOGICAL INFORMATION**

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Product Information

(a) acute toxicity;OralNo data availableDermalNo data availableInhalationNo data available

| Component          | LD50 Oral               | LD50 Dermal                | LC50 Inhalation            |
|--------------------|-------------------------|----------------------------|----------------------------|
| Dimethyl acetamide | LD50 = 4263 mg/kg (Rat) | LD50 = 2100 mg/kg (Rabbit) | LC50 = 8.81 mg/L (Rat) 1 h |
|                    |                         | OECD 402                   |                            |

No data available (b) skin corrosion/irritation; (c) serious eye damage/irritation; No data available (d) respiratory or skin sensitization; No data available Respiratory Skin No data available (e) germ cell mutagenicity; No data available Not mutagenic in AMES Test No data available (f) carcinogenicity; There are no known carcinogenic chemicals in this product Component EU UK Germany

IARC

N,N-Dimethylacetamide

Revision Date 22-Sep-2023

| N,N-Dimetrylacetamide                              |  | Revision Date 22-3ep-2023                      |
|--|--|--|
| Dimethyl acetamide                                 |  | Group 2B                                       |
| (g) reproductive toxicity;<br>Reproductive Effects | No data available<br>May cause harm to the unborn child. |  |
| (h) STOT-single exposure;                          | No data available  |  |
| (i) STOT-repeated exposure;<br>Target Organs       | No data available<br>No information available.           |  |
| (j) aspiration hazard;                             | Based on available data, the classification cr           |  |
| Symptoms / effects,both acute and<br>delayed       | Symptoms of overexposure may be headach                  | ne, dizziness, tiredness, nausea and vomiting. |
| 11.2. Information on other hazards                 |  |  |

**Endocrine Disrupting Properties** 

Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

# **SECTION 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity Ecotoxicity effects

Do not empty into drains. .

| Component          | Freshwater Fish | Water Flea         | Freshwater Algae   |
|--------------------|-----------------|--------------------|--------------------|
| Dimethyl acetamide |                 | EC50 >500 mg/L/48h | EC50 >500 mg/L/72h |

| Component          | Microtox                | M-Factor |
|--------------------|-------------------------|----------|
| Dimethyl acetamide | EC50 = 2393 mg/L 30 min |          |
|                    | EC50 = 4815 mg/L 5 min  |          |

12.2. Persistence and degradabilityReadily biodegradablePersistencePersistence is unlikely.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

| Component          | log Pow | Bioconcentration factor (BCF) |
|--------------------|---------|-------------------------------|
| Dimethyl acetamide | 0.8     | No data available             |

| <u>12.4. Mobility in soil</u>  | The product is water soluble, and may spread in water systems . Will likely be mobile in the environment due to its water solubility. Highly mobile in soils |
|--|--|
| 12.5. Results of PBT and vPvB<br>assessment  | Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).                                   |
| <u>12.6. Endocrine disrupting</u><br>properties<br>Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors  |

### <u>12.7. Other adverse effects</u> Persistent Organic Pollutant Ozone Depletion Potential

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

# **SECTION 13: DISPOSAL CONSIDERATIONS**

# 13.1. Waste treatment methodsWaste from Residues/Unused<br/>ProductsWaste is classified as hazardous. Dispose of in accordance with the European Directives<br/>on waste and hazardous waste. Dispose of in accordance with local regulations.Contaminated PackagingDispose of this container to hazardous or special waste collection point.European Waste Catalogue (EWC)According to the European Waste Catalog, Waste Codes are not product specific, but<br/>application specific.Other InformationWaste codes should be assigned by the user based on the application for which the product<br/>was used. Do not empty into drains.

# **SECTION 14: TRANSPORT INFORMATION**

### IMDG/IMO

ADR

Not regulated

Not regulated

14.1. UN number14.2. UN proper shipping name14.3. Transport hazard class(es)14.4. Packing group

14.1. UN number 14.2. UN proper shipping name 14.3. Transport hazard class(es) 14.4. Packing group

 IATA
 Not regulated

 14.1. UN number
 14.1. UN number

 14.2. UN proper shipping name
 14.3. Transport hazard class(es)

 14.3. Transport hazard class(es)
 14.4. Packing group

 14.5. Environmental hazards
 No hazards identified

 14.6. Special precautions for user
 No special precautions required.

**14.7. Maritime transport in bulk** Not applicable, packaged goods

according to IMO instruments

# SECTION 15: REGULATORY INFORMATION

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

### International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component          | CAS No   | EINECS    | ELINCS  | NLP     | IECSC | TCSI | KECL     | ENCS  | ISHL  |
|--------------------|----------|-----------|---------|---------|-------|------|----------|-------|-------|
| Dimethyl acetamide | 127-19-5 | 204-826-4 | -       | -       | Х     | Х    | KE-11114 | Х     | Х     |
|                    |          |           |         |         |       |      |          |       |       |
| Component          | CAS No   | TSCA      |         | ation - | DSL   | NDSL | AICS     | NZIoC | PICCS |
|                    |          |           | Active- | nactive |       |      |          |       |       |

Legend: X - Listed '-' - Not Listed

**KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

### Authorisation/Restrictions according to EU REACH

| Component          | CAS No   | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization | REACH (1907/2006) -<br>Annex XVII - Restrictions<br>on Certain Dangerous<br>Substances   | REACH Regulation (EC<br>1907/2006) article 59 -<br>Candidate List of<br>Substances of Very High<br>Concern (SVHC) |
|--------------------|----------|---|--|---|
| Dimethyl acetamide | 127-19-5 | -   | Use restricted. See item<br>72.<br>(see link for restriction<br>details)<br>Use restricted. See item<br>30.<br>(see link for restriction<br>details)<br>Use restricted. See item<br>75.<br>(see link for restriction<br>details) | SVHC Candidate list -<br>Toxic for reproduction<br>(Article 57 c)   |

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

### **REACH links**

https://echa.europa.eu/authorisation-list https://echa.europa.eu/substances-restricted-under-reach

https://echa.europa.eu/candidate-list-table

### Seveso III Directive (2012/18/EC)

| Component          | CAS No   | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Major Accident<br>Notification | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Safety Report<br>Requirements |
|--------------------|----------|---|--|
| Dimethyl acetamide | 127-19-5 | Not applicable  | Not applicable   |

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values Take note of Directive 94/33/EC on the protection of young people at work

### N,N-Dimethylacetamide

Take note of Dir 92/85/EC on the protection of pregnant and breastfeeding women at work

### **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

WGK Classification

See table for values

| Component          | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|--------------------|---------------------------------------|-------------------------|
| Dimethyl acetamide | WGK2                                  |                         |

| Component          | France - INRS (Tables of occupational diseases)      |
|--------------------|--|
| Dimethyl acetamide | Tableaux des maladies professionnelles (TMP) - RG 84 |

### 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

# **SECTION 16: OTHER INFORMATION**

### Full text of H-Statements referred to under sections 2 and 3

H312 - Harmful in contact with skin H332 - Harmful if inhaled H319 - Causes serious eye irritation

H360D - May damage the unborn child

### Legend

| CAS - Chemical Abstracts Service<br>EINECS/ELINCS - European Inventory of Existing Commercial Chemical<br>Substances/EU List of Notified Chemical Substances<br>PICCS - Philippines Inventory of Chemicals and Chemical Substances<br>IECSC - Chinese Inventory of Existing Chemical Substances<br>KECL - Korean Existing and Evaluated Chemical Substances   | TSCA - United States Toxic Substances Control Act Section 8(b)<br>Inventory<br>DSL/NDSL - Canadian Domestic Substances List/Non-Domestic<br>Substances List<br>ENCS - Japanese Existing and New Chemical Substances<br>AICS - Australian Inventory of Chemical Substances<br>NZIOC - New Zealand Inventory of Chemicals                            |
|---|--|
| WEL - Workplace Exposure Limit<br>ACGIH - American Conference of Governmental Industrial Hygienists<br>DNEL - Derived No Effect Level<br>RPE - Respiratory Protective Equipment<br>LC50 - Lethal Concentration 50%<br>NOEC - No Observed Effect Concentration<br>PBT - Persistent, Bioaccumulative, Toxic   | <ul> <li>TWA - Time Weighted Average</li> <li>IARC - International Agency for Research on Cancer</li> <li>Predicted No Effect Concentration (PNEC)</li> <li>LD50 - Lethal Dose 50%</li> <li>EC50 - Effective Concentration 50%</li> <li>POW - Partition coefficient Octanol:Water</li> <li>vPvB - very Persistent, very Bioaccumulative</li> </ul> |
| ADR - European Agreement Concerning the International Carriage of<br>Dangerous Goods by Road<br>IMO/IMDG - International Maritime Organization/International Maritime<br>Dangerous Goods Code<br>OECD - Organisation for Economic Co-operation and Development<br>BCF - Bioconcentration factor<br>Key literature references and sources for data<br>https://echa.europa.eu/information-on-chemicals<br>Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, R | ICAO/IATA - International Civil Aviation Organization/International Air<br>Transport Association<br>MARPOL - International Convention for the Prevention of Pollution from<br>Ships<br>ATE - Acute Toxicity Estimate<br>VOC - (Volatile Organic Compound)  |

### **Training Advice**

### N,N-Dimethylacetamide

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Chemical incident response training.

Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts.

| Creation Date    | 06-Oct-2009     |
|------------------|-----------------|
| Revision Date    | 22-Sep-2023     |
| Revision Summary | Not applicable. |

# This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

Disclaimer

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

# **End of Safety Data Sheet**