

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Levamisole Formulation

|         |                |               |                                 |
|---------|----------------|---------------|---------------------------------|
| Version | Revision Date: | SDS Number:   | Date of last issue: 04/14/2025  |
| 4.0     | 06/16/2025     | 9081924-00009 | Date of first issue: 07/21/2021 |

### SECTION 1. IDENTIFICATION

Product name : Levamisole Formulation

#### Manufacturer or supplier's details

Company name of supplier : Merck & Co., Inc  
Address : 126 E. Lincoln Avenue  
Rahway, New Jersey U.S.A. 07065  
Telephone : 908-740-4000  
Emergency telephone : 1-908-423-6000  
E-mail address : EHSDATASTEWARD@merck.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product  
Restrictions on use : Not applicable

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Combustible dust

Acute toxicity (Oral) : Category 4  
Reproductive toxicity : Category 2  
Specific target organ toxicity : Category 2 (Blood, Testis)  
- repeated exposure (Oral)

#### Other hazards

Dust contact with the eyes can lead to mechanical irritation.  
Contact with dust can cause mechanical irritation or drying of the skin.

#### GHS label elements

|                          |   |                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms        | : |                                                                                                                                                                                                                                                                                                                                 |
| Signal Word              | : | Warning                                                                                                                                                                                                                                                                                                                         |
| Hazard Statements        | : | If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.<br>H302 Harmful if swallowed.<br>H361d Suspected of damaging the unborn child.<br>H373 May cause damage to organs (Blood, Testis) through prolonged or repeated exposure if swallowed. |
| Precautionary Statements | : | <b>Prevention:</b><br>P201 Obtain special instructions before use.                                                                                                                                                                                                                                                              |

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P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.

### Response:

P301 + P312 + P330 IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth.  
P308 + P313 IF exposed or concerned: Get medical attention.

### Storage:

P405 Store locked up.

### Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

| Chemical name            | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|--------------------------|-------------------|-----------------------|--------------|
| Levamisole hydrochloride | 16595-80-5*       | >= 10 - <= 30         | TSC          |

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.  
Get medical attention.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.

In case of eye contact : If in eyes, rinse well with water.  
Get medical attention if irritation develops and persists.

If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention.  
Rinse mouth thoroughly with water.  
Never give anything by mouth to an unconscious person.

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|                                                             |   |                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Most important symptoms and effects, both acute and delayed | : | Contact with dust can cause mechanical irritation or drying of the skin.<br>Dust contact with the eyes can lead to mechanical irritation.<br>Harmful if swallowed.<br>Suspected of damaging the unborn child.<br>May cause damage to organs through prolonged or repeated exposure if swallowed. |
| Protection of first-aiders                                  | : | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).                                                                                                                      |
| Notes to physician                                          | : | Treat symptomatically and supportively.                                                                                                                                                                                                                                                          |

### SECTION 5. FIRE-FIGHTING MEASURES

|                                                |   |                                                                                                                                                                                                                                                 |
|------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                   | : | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical                                                                                                                                                      |
| Unsuitable extinguishing media                 | : | None known.                                                                                                                                                                                                                                     |
| Specific hazards during fire fighting          | : | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.<br>Exposure to combustion products may be a hazard to health.                   |
| Hazardous combustion products                  | : | Carbon oxides                                                                                                                                                                                                                                   |
| Specific extinguishing methods                 | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.<br>Remove undamaged containers from fire area if it is safe to do so.<br>Evacuate area. |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.                                                                                                                                            |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                                                                     |   |                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).                                                                              |
| Environmental precautions                                           | : | Avoid release to the environment.<br>Prevent further leakage or spillage if safe to do so.<br>Retain and dispose of contaminated wash water.<br>Local authorities should be advised if significant spillages cannot be contained. |

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Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Do not breathe dust.  
Do not swallow.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| inert or nuisance dust | 50 Million particles per cubic foot<br>Value type (Form of exposure): TWA (total dust)<br>Basis: OSHA Z-3 |
|                        | 15 mg/m <sup>3</sup><br>Value type (Form of exposure): TWA (total dust)                                   |

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Basis: OSHA Z-3

5 mg/m<sup>3</sup>

Value type (Form of exposure): TWA (respirable fraction)

Basis: OSHA Z-3

15 Million particles per cubic foot

Value type (Form of exposure): TWA (respirable fraction)

Basis: OSHA Z-3

Dust, nuisance dust and particulates

10 mg/m<sup>3</sup>

Value type (Form of exposure): PEL (Total dust)

Basis: CAL PEL

5 mg/m<sup>3</sup>

Value type (Form of exposure): PEL (respirable dust fraction)

Basis: CAL PEL

| Components                | CAS-No.    | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis    |
|---------------------------|------------|----------------------------------|------------------------------------------------|----------|
| Levamisole hydrochloride  | 16595-80-5 | TWA                              | 20 µg/m <sup>3</sup> (OEB 3)                   | Internal |
| Further information: Skin |            |                                  |                                                |          |
|                           |            | Wipe limit                       | 200 µg/100 cm <sup>2</sup>                     | Internal |

### Engineering measures

: All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.

### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material : Chemical-resistant gloves

Remarks : Consider double gloving.  
Eye protection : Wear safety glasses with side shields or goggles.

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|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin and body protection | : If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.<br>Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.<br>Work uniform or laboratory coat.<br>Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.<br>Use appropriate degowning techniques to remove potentially contaminated clothing. |
| Hygiene measures         | : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.<br>When using do not eat, drink or smoke.<br>Wash contaminated clothing before re-use.<br>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.                                                 |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Appearance                                       | : powder                                                                                      |
| Color                                            | : white                                                                                       |
| Odor                                             | : No data available                                                                           |
| Odor Threshold                                   | : No data available                                                                           |
| pH                                               | : No data available                                                                           |
| Melting point/freezing point                     | : No data available                                                                           |
| Initial boiling point and boiling range          | : No data available                                                                           |
| Flash point                                      | : Not applicable                                                                              |
| Evaporation rate                                 | : Not applicable                                                                              |
| Flammability (solid, gas)                        | : May form combustible dust concentrations in air during processing, handling or other means. |
| Upper explosion limit / Upper flammability limit | : No data available                                                                           |
| Lower explosion limit / Lower flammability limit | : No data available                                                                           |
| Vapor pressure                                   | : Not applicable                                                                              |

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

|                                           |                                                            |
|-------------------------------------------|------------------------------------------------------------|
| Relative vapor density                    | : Not applicable                                           |
| Relative density                          | : No data available                                        |
| Density                                   | : No data available                                        |
| Solubility(ies)<br>Water solubility       | : No data available                                        |
| Partition coefficient: n-octanol/water    | : Not applicable                                           |
| Autoignition temperature                  | : No data available                                        |
| Decomposition temperature                 | : No data available                                        |
| Viscosity<br>Viscosity, kinematic         | : Not applicable                                           |
| Explosive properties                      | : Not explosive                                            |
| Oxidizing properties                      | : The substance or mixture is not classified as oxidizing. |
| Molecular weight                          | : No data available                                        |
| Particle characteristics<br>Particle size | : No data available                                        |

### SECTION 10. STABILITY AND REACTIVITY

|                                    |                                                                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | : Not classified as a reactivity hazard.                                                                                                 |
| Chemical stability                 | : Stable under normal conditions.                                                                                                        |
| Possibility of hazardous reactions | : May form combustible dust concentrations in air during processing, handling or other means.<br>Can react with strong oxidizing agents. |
| Conditions to avoid                | : Heat, flames and sparks.<br>Avoid dust formation.                                                                                      |
| Incompatible materials             | : Oxidizing agents                                                                                                                       |
| Hazardous decomposition products   | : No hazardous decomposition products are known.                                                                                         |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion  
Eye contact

#### Acute toxicity

Harmful if swallowed.

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### **Product:**

Acute oral toxicity : Acute toxicity estimate: 1,200 mg/kg  
Method: Calculation method

### **Components:**

#### **Levamisole hydrochloride:**

|                           |   |                            |
|---------------------------|---|----------------------------|
| Acute oral toxicity       | : | LD50 (Rat): 180 mg/kg      |
|                           |   | LD50 (Mouse): 223 mg/kg    |
|                           |   | LD50 (Rabbit): 458 mg/kg   |
| Acute inhalation toxicity | : | Remarks: No data available |
| Acute dermal toxicity     | : | Remarks: No data available |

#### **Skin corrosion/irritation**

Not classified based on available information.

### **Components:**

#### **Levamisole hydrochloride:**

Remarks : No data available

#### **Serious eye damage/eye irritation**

Not classified based on available information.

### **Components:**

#### **Levamisole hydrochloride:**

Remarks : No data available

#### **Respiratory or skin sensitization**

##### **Skin sensitization**

Not classified based on available information.

##### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

#### **Levamisole hydrochloride:**

Remarks : No data available

#### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **Levamisole hydrochloride:**



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Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

### Carcinogenicity

Not classified based on available information.

### Components:

#### Levamisole hydrochloride:

Species : Mouse  
Application Route : Oral  
Exposure time : 2 Years  
NOAEL : 80 mg/kg body weight  
Remarks : No significant adverse effects were reported

Species : Rat  
Application Route : Oral  
Exposure time : 2 Years  
NOAEL : 40 mg/kg body weight  
Remarks : No significant adverse effects were reported

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Suspected of damaging the unborn child.

### Components:

#### Levamisole hydrochloride:

Effects on fertility : Test Type: Three-generation reproduction toxicity study  
Species: Rat  
Application Route: Oral  
Result: No significant adverse effects were reported

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Oral  
Developmental Toxicity: NOAEL: 20 mg/kg body weight  
Result: Fetotoxicity.

Test Type: Embryo-fetal development  
Species: Rabbit  
Application Route: Oral

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|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
|                                    | Developmental Toxicity: LOAEL: 40 mg/kg body weight<br>Result: Fetotoxicity.    |
| Reproductive toxicity - Assessment | : Some evidence of adverse effects on development, based on animal experiments. |

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

May cause damage to organs (Blood, Testis) through prolonged or repeated exposure if swallowed.

### Components:

#### Levamisole hydrochloride:

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Target Organs | : Blood, Testis                                                      |
| Assessment    | : May cause damage to organs through prolonged or repeated exposure. |

### Repeated dose toxicity

### Components:

#### Levamisole hydrochloride:

|                   |             |
|-------------------|-------------|
| Species           | : Rat       |
| NOAEL             | : 2.5 mg/kg |
| Application Route | : Oral      |
| Exposure time     | : 18 Months |
| Target Organs     | : Testis    |

|                   |             |
|-------------------|-------------|
| Species           | : Dog       |
| LOAEL             | : 20 mg/kg  |
| Application Route | : Oral      |
| Exposure time     | : 18 Months |
| Target Organs     | : Blood     |

|                   |            |
|-------------------|------------|
| Species           | : Dog      |
| LOAEL             | : 40 mg/kg |
| Application Route | : Oral     |
| Exposure time     | : 3 Months |

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

### Components:

#### Levamisole hydrochloride:

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Ingestion | : Symptoms: Nausea, Vomiting, Headache, Dizziness, hypotension |
|-----------|----------------------------------------------------------------|

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### Levamisole hydrochloride:

|                                                     |   |                                                                                                               |
|-----------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------|
| Toxicity to fish                                    | : | LC50 (Oryzias latipes (Japanese medaka)): 37.3 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 64 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202          |

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

|                        |   |                                                                                                                                                             |
|------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues    | : | Dispose of in accordance with local regulations.<br>Do not dispose of waste into sewer.                                                                     |
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>If not otherwise specified: Dispose of as unused product. |

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### Domestic regulation

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### 49 CFR

Not regulated as a dangerous good

### Special precautions for user

Not applicable

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Combustible dust  
Acute toxicity (any route of exposure)  
Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

#### Pennsylvania Right To Know

|                          |            |
|--------------------------|------------|
| Lactose                  | 63-42-3    |
| Levamisole hydrochloride | 16595-80-5 |

The ingredients of this product are reported in the following inventories:

## SECTION 16. OTHER INFORMATION

### Further information

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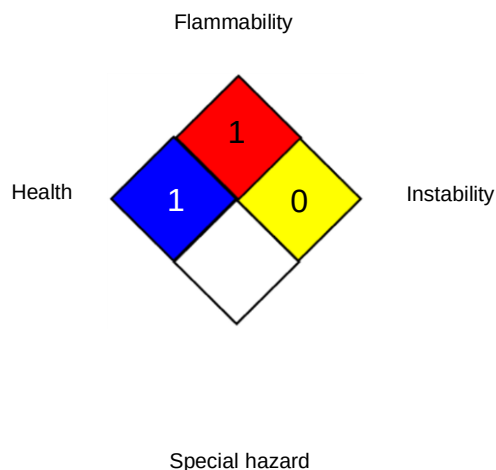
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### NFPA 704:



### HMIS® IV:

|                 |   |   |
|-----------------|---|---|
| HEALTH          | * | 2 |
| FLAMMABILITY    |   | 2 |
| PHYSICAL HAZARD |   | 0 |

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

|                |   |                                                                                         |
|----------------|---|-----------------------------------------------------------------------------------------|
| CAL PEL        | : | California permissible exposure limits for chemical contaminants (Title 8, Article 107) |
| OSHA Z-3       | : | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts                      |
| CAL PEL / PEL  | : | Permissible exposure limit                                                              |
| OSHA Z-3 / TWA | : | 8-hour time weighted average                                                            |

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act;

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REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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