

## Tputty™ 910

Ref. 130000158452  
Version 2.0

Revision Date 30.04.2024  
Issue Date 20.08.2024

This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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

#### 1.1. Product identifier

Product name : Tputty™ 910

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

Use of the Substance/Mixture : For industrial use only.

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

Company : LAIRD s.r.o.  
Prumyslova 497, Liberec, 46312, Czech Republic  
Telephone : +420-488-575-111

E-mail address : laird.orders-emea@dupont.com

#### 1.4. Emergency telephone number

+(44)-870-8200418 (CHEMTREC)

### SECTION 2: Hazards identification

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

Not a classified substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2. Label elements

Not a classified substance or mixture according to Regulation (EC) No. 1272/2008.

Special labelling of certain  
substances and mixtures

The following percentage of the mixture consists of ingredient(s) with unknown  
acute oral toxicity: 19.6552 %

The following percentage of the mixture consists of ingredient(s) with unknown  
acute dermal toxicity: 44.2542 %

The following percentage of the mixture consists of ingredient(s) with unknown  
acute inhalation toxicity: 44.2542 %

The following percentage of the mixture consists of ingredient(s) with unknown  
hazards to the aquatic environment: 24.599 %

#### 2.3. Other hazards

Endocrine disrupting properties (human health):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties (environment):

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **SECTION 3: Composition/information on ingredients**

#### **3.1. Substances**

Not applicable

#### **3.2. Mixtures**

This product does not contain any components that require disclosure.

The above products are compliant to REACH registration obligations; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First Aid responders should pay attention to self-protection and use the recommended protective clothing. Remove from exposure, lie down.
- Inhalation : Is not an expected route of exposure under normal conditions. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep person calm. If symptoms persist, call a physician. If unconscious, place in recovery position and get medical attention immediately. Keep respiratory tract clear.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.
- Eye contact : If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if symptoms persist.
- Ingestion : Rinse mouth. Call a physician immediately. Do NOT induce vomiting. Place unconscious person on the side in the recovery position and ensure open airways. Do not give anything by mouth to an unconscious person.

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

- Symptoms : May irritate skin.

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- : May irritate eyes.
- : May cause irritation of the mucous membranes.
- : For further information see Section 11.

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

Treatment : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Symptoms may be delayed for several hours.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Dry powder, Sand

Extinguishing media which shall not be used for safety reasons : Water, Carbon dioxide (CO<sub>2</sub>), Foam

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

Specific hazards during firefighting : Material will burn. May release toxic and/or hazardous fumes and gases. Dust may form explosive mixture in air. Do not allow run-off from fire fighting to enter drains or water courses. 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.

### **5.3. Advice for firefighters**

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes. Evacuate personnel to safe areas.

## **SECTION 6: Accidental release measures**

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

Personal precautions : Keep unnecessary and unprotected personnel from entering. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Control access to area. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition

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sources. No smoking. If the material is involved in a fire, or if dusts are produced, no action shall be taken involving any personal risk or without suitable training. Avoid breathing dust.

### **6.2. Environmental precautions**

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

### **6.3. Methods and materials for containment and cleaning up**

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal. For disposal instructions see section 13. Large spills should be collected mechanically (remove by pumping) for disposal. Eliminate all ignition sources if safe to do so. Move it to a safe place. Do not touch spilled material. Avoid dust formation. Wet wipe or vacuum up using a high efficiency particulate air (HEPA) vacuum. Use explosion proof equipment. Do not dry sweep dust accumulation.

Other information : Dispose of in accordance with local regulations.

### **6.4. Reference to other sections**

For personal protection see section 8., For disposal instructions see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Advice on safe handling : For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation. Use personal protective equipment as required. Wash hands thoroughly after handling. Take precautionary measures against static discharges. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Avoid exposure - obtain special instructions before use. Avoid contact during pregnancy and while nursing. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not ingest. Use only with adequate ventilation/personal protection. Do not breathe dust.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. No smoking.

Advice on general occupational hygiene : Wash hands before breaks and immediately after handling the product. Wash hands before eating, drinking, or smoking. Regular cleaning of equipment, work area and clothing. Wash contaminated clothing before re-use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with the skin and the eyes.

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

Requirements for storage : Keep in cool, dry place in original containers. Store away from incompatible

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areas and containers materials (see Section 10). Store locked up. Store in a well-ventilated area away from heat and sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep tightly closed. Store in accordance with the particular national regulations.

Advice on common storage : Keep away from oxidizing agents, strongly acid or alkaline materials and amines.

Other data : Store at room temperature.

**7.3. Specific end use(s)**

Industrial use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

If sub-section is empty then no values are applicable. For further information on any control parameters provided, please refer to the relevant regulation.

**Components with workplace control parameters**

Type	Control parameters (Expressed as)	Update	Regulatory basis
Form of exposure			
<b>Aluminum oxide (CAS-No. 1344-28-1)</b>			
Long-term exposure limit (8-hour TWA reference period) inhalable dust	10 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits
Long-term exposure limit (8-hour TWA reference period) Respirable dust	4 mg/m <sup>3</sup>	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits

**8.2. Exposure controls**

Engineering measures : Use a local and/or general ventilation system. Local exhaust ventilation should be employed to minimize airborne contamination. Use only with adequate ventilation. Any process that has the potential to generate dust should be performed using engineering controls, such as isolation, enclosures, local exhaust ventilation, wetting with appropriate solvent, or dust collection systems, to control airborne fibers and dusts below applicable limits. Use explosion-proof electrical, ventilating and lighting equipment.

Protective measures : Wear suitable protective equipment.  
Eye/face protection : Wear safety glasses with side shields.  
Ensure that eyewash stations and safety showers are close to the workstation location.  
If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.  
Equipment should conform to EN 166

Hand protection : Material: Chemical-resistant gloves  
: Material: butyl-rubber  
: Material: Nitrile rubber  
: Protective gloves should be worn when the potential exists for prolonged or

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	repeated skin contact.
	: Request information on glove permeation properties from the glove supplier.
	: Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
	: Protective gloves complying with EN 374.
Skin and body protection	: Wear suitable protective clothing. Wear impervious, thermal barrier/insulated clothing such as gloves, apron, boots, or whole bodysuit to prevent ANY contact with liquid or vaporizing material.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Respirator with a full face mask Recommended Filter type: particulate prefilter
Environmental exposure controls	: Soil: The product should not be allowed to enter drains, water courses or the soil.

**SECTION 9: Physical and chemical properties**

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

<b>Physical state</b>	solid
	<b>Form</b> paste
<b>Colour</b>	red
<b>Odour</b>	none
<b>Melting point/freezing point</b>	no data available
<b>Boiling point or initial boiling point and boiling range</b>	no data available
<b>Flammability</b>	no data available
<b>Lower explosion limit and upper explosion limit / flammability limit</b>	no data available
<b>Flash point</b>	no data available
<b>Auto-ignition temperature</b>	no data available

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<b>Decomposition temperature</b>	no data available
<b>pH</b>	no data available
<b>Viscosity</b>	<b>Viscosity, kinematic</b> no data available
<b>Solubility(ies)</b>	<b>Water solubility</b> no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Vapour pressure</b>	no data available
<b>Density and / or relative density</b>	no data available
<b>Relative vapour density</b>	no data available
<b>Particle characteristics</b>	no data available

### **9.2. Other information**

No other data to be specially mentioned.

## **SECTION 10: Stability and reactivity**

- 10.1. Reactivity** : Stable at normal ambient temperature and pressure.
- 10.2. Chemical stability** : Stable at normal ambient temperature and pressure.
- 10.3. Possibility of hazardous reactions** : No dangerous reaction known under conditions of normal use.
- 10.4. Conditions to avoid** : Decomposes on heating. Avoid prolonged exposure at or above the recommended processing temperatures.
- 10.5. Incompatible materials** : Strong oxidizing agents  
Strong acids  
Strong bases  
reactive metals
- 10.6. Hazardous decomposition products** : Carbon oxides  
Metal oxides

## **SECTION 11: Toxicological information**

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

#### **Acute toxicity** (Acute oral toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for

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classification.

**Acute toxicity** (Acute dermal toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Acute toxicity** (Acute inhalation toxicity)

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Skin corrosion/irritation**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Serious eye damage/eye irritation**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Respiratory or skin sensitisation**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Germ cell mutagenicity**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Carcinogenicity**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Reproductive toxicity**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**STOT - single exposure**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**STOT - repeated exposure**

Not classified

Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

**Aspiration hazard**

Not classified

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Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

### **Human experience**

No human exposure data is available.

### **11.2. Information on other hazards**

#### **Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### **Further information**

No data is available on the product itself.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

no data available

### **12.2. Persistence and degradability**

no data available

### **12.3. Bioaccumulative potential**

no data available

### **12.4. Mobility in soil**

no data available

### **12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6. Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7. Other adverse effects**

Additional ecological information

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No data is available on the product itself.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

- Product : Dispose of in accordance with local regulations. This material and its container must be disposed of in a safe way. Dispose of contents/container to an approved waste disposal plant in accordance with local, regional and national legislations. The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- Contaminated packaging : Since empty containers retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### **SECTION 14: Transport information**

#### **ADR**

- 14.1. UN number or ID number: Not applicable  
14.2. UN proper shipping name: Not applicable  
14.3. Transport hazard class(es): Not applicable  
14.4. Packing group: Not applicable  
14.5. Environmental hazards: none
- 14.6. Special precautions for user:  
Not classified as dangerous in the meaning of transport regulations.

#### **IATA\_C**

- 14.1. UN number or ID number: Not applicable  
14.2. UN proper shipping name: Not applicable  
14.3. Transport hazard class(es): Not applicable  
14.4. Packing group: Not applicable  
14.5. Environmental hazards: none
- 14.6. Special precautions for user:  
Not classified as dangerous in the meaning of transport regulations.

#### **IMDG**

- 14.1. UN number or ID number: Not applicable  
14.2. UN proper shipping name: Not applicable  
14.3. Transport hazard class(es): Not applicable  
14.4. Packing group: Not applicable  
14.5. Environmental hazards: none
- 14.6. Special precautions for user:  
Not classified as dangerous in the meaning of transport regulations.
- 14.7. Maritime transport in bulk according to IMO instruments  
Not applicable

### **SECTION 15: Regulatory information**

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

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

Not applicable

### **Major Accident Hazard Legislation**

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

### **Other regulations :**

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 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

### **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this mixture.

## **SECTION 16: Other information**

### **Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose

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LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	Time Weighted Average (TWA):
vPvB	very Persistent and very Bioaccumulative

### Sources of key data used to compile the Safety Data Sheet

Key literature references and sources for data may include: regulations, databases, literature, own research, practical experience.

The health and environmental classification of the mixture is derived using the calculation methods and the classifications of the relevant ingredients unless product level data has been provided in Section 11 or 12, indicating that the classification for those end points were derived on the basis of test data or bridging principles.

**Note:** The classification of substances listed in Annex VI to the CLP regulation are derived from assessment of the best knowledge and information available at the time of its publication or subsequent amendments. The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

Significant change from previous version is denoted with a double bar.

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.