

**Product:** **EKALAND™ TDEC PD**

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SDS No.: 100038-100 (Version 2.0)

Date 03.09.2019 (Cancel and replace : 14.08.2014)

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Identification of the product

**Substance name:** EKALAND™ TDEC PD  
 REACH Registration Number: -  
 EC Nr: 244-121-9  
 CAS-No.: 20941-65-5

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

**Use of the Substance/Mixture :** Curing chemical

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

Supplier	MLPC International 209, Avenue Charles Despiau F-40370 RION-DES-LANDES, FRANCE Telephone: + 33 (0) 5 58 57 02 00 E-mail address: <a href="http://www.mlpc-intl.com">http://www.mlpc-intl.com</a> fds@mlpc-intl.com
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### 1.4. Emergency telephone number

**+1-703-741-5970 CHEMTREC international emergency phone number (ARKEMA CCN830055)**

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008):**

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

### 2.2. Label elements

**Label elements (REGULATION (EC) No 1272/2008):**

EC Nr : 244-121-9

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008., This substance does not require a label.

**2.3. Other hazards :** None.

**Other:**

Results of PBT and vPvB assessment : -

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Chemical name <sup>1</sup>	EC-No.	CAS-No.	Concentration	Classification REGULATION (EC) No 1272/2008
Tetrakis(diethyldithiocarbamate-S,S')tellurium	244-121-9	20941-65-5	100 %	

<sup>1</sup>: See chapter 14 for Proper Shipping Name

## 4. FIRST AID MEASURES

### 4.1. Description of necessary first-aid measures:

**General advice:**

Take off immediately all contaminated clothing.

**Inhalation:**

Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician.

**Skin contact:**

Wash off immediately with soap and plenty of water.

**Eye contact:**

Wash well-open eyes immediately, abundantly and thoroughly with water. Consult an ophthalmologist immediately.

**Ingestion:**

If swallowed, do not induce vomiting - seek medical advice.

**Protection of first-aiders:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**4.2. Most important symptoms/effects, acute and delayed:** No data available.

**4.3. Indication of immediate medical attention and special treatment needed, if necessary:** No data available.

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**5. FIREFIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** Water spray, Foam, Dry powder

**Unsuitable extinguishing media:** All other extinguishants

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

Thermal decomposition gives : Temperature exceeding 280 °C:  
Sulphur oxides, Nitrogen oxides (NOx)

**5.3. Advice for firefighters:****Specific methods:**

Remove all sources of ignition. Suppress gases, fumes and/or dust with water spray jet.

**Special protective actions for fire-fighters:**

Wear self-contained breathing apparatus and protective suit.

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**6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures:**

Avoid contact with skin and eyes and inhalation of dust.

**6.2. Environmental precautions:**

Do not let product enter drains. Do not contaminate surface water.

**6.3. Methods and materials for containment and cleaning up:****Recovery:**

Shovel or sweep up. Recover the product and place in a dry labelled container.

**Elimination:**

Destroy the product by incineration (in accordance with local and national regulations).

**6.4. Reference to other sections:** None.

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**7. HANDLING AND STORAGE****7.1. Precautions for safe handling:****Technical measures/Precautions:**

Storage and handling precautions applicable to products: Dust forming. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Provide water supplies, ocular fountains and showers near the point of use.

**Safe handling advice:**

In case of dust formation, wear a dust mask.

**Hygiene measures:**

General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Avoid breathing dust.  
Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

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

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Keep in a well-ventilated place. Keep in a dry place. Store protected from moisture.

**Incompatible products:**  
Strong acids Oxidizing agents

**Packaging material:**  
**Recommended:** Paper bags, Big bags.

**7.3. Specific end use(s):** None.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

#### Exposure Limit Values (dust)

Source	Date	Value type	Value (ppm)	Value (mg/m3)	Remarks
ACGIH (US)	02 2012	TWA	–	10	Inhalable particles.
ACGIH (US)	02 2012	TWA	–	3	Respirable particles.

**Exposure Limit Values** Not relevant

**Derived No Effect Level (DNEL):** No data available.

**Predicted No Effect Concentration:** No data available.

### 8.2. Exposure controls:

**General protective measures:** Ensure sufficient air exchange and/or exhaust in work areas

#### Personal protective equipment:

Respiratory protection: Effective dust mask  
Hand protection: Impervious gloves  
Eye/face protection: Tightly fitting safety goggles  
Skin and body protection: At the workplace : Protective suit.

**Environmental exposure controls:** See chapter 6

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

#### Appearance:

**Physical state (20°C):** solid  
solid

**Form:** powder  
powder

**Colour:** orange  
orange

**Odour:** None.  
None.

**Olfactory threshold:** No data available.

**pH:** No data available.  
>= 110 °C  
>= 110 °C

**Boiling point/boiling range:** No data available.

**Flash point:** Not applicable  
Not applicable

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

**Vapour pressure:** No data available.

**Vapour density:** No data available.

**Density:** 1,4 g/cm3  
1,4 g/cm3

**Water solubility:** No data available.

**Partition coefficient: n-octanol/water:** log Kow : = 4,39, Potential bioaccumulation (calculated)

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<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**9.2. Other data:**

<b>Molecular weight:</b>	721 g/mol
	721 g/mol

**10. STABILITY AND REACTIVITY****10.1. Reactivity:** No data available.**10.2. Chemical stability:**

Product stable in the absence of moisture

**10.3. Possibility of hazardous reactions:** No data available.**10.4. Conditions to avoid:**

Avoid storing in moist and warm conditions.

Store protected from moisture and heat. Protect from light. Keep away from direct sunlight.

**10.5. Incompatible materials to avoid:**

Strong acids, Oxidizing agents

**10.6. Hazardous decomposition products:**

Thermal decomposition gives :, Carbon oxides, Sulphur oxides, Nitrogen oxides (NOx)

Thermal decomposition gives :, Nitrogen oxides (NOx)

**11. TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects:****Acute toxicity:****Inhalation:**  
• In animals : No mortality/4 h/Rat: 0,51 mg/l (Dusts)**Ingestion:**  
• In animals : **Slightly harmful by ingestion**  
LD50/Rat: > 5.000 mg/kg**Dermal:**  
• In animals : **Slightly harmful in contact with skin**  
LD50/24 h/Rabbit: > 2.000 mg/kg**Local effects ( Corrosion / Irritation / Serious eye damage ):****Skin contact:**  
• In animals : **Non irritating to skin**  
(After semi-occlusive contact, Rabbit, Exposure time: 24 h)**Eye contact:**  
• In animals : **Slightly irritating to eyes**  
(Draize Test, Rabbit)**Respiratory or skin sensitisation:****Inhalation:** No data available.**Skin contact:**  
• In animals : **Not a skin sensitizer**  
No skin allergy was observed. (Method: Buehler method, Guinea pig)**CMR effects :****Mutagenicity:****In vitro**Ames test in vitro: Inactive  
In vitro gene mutations test on mammalian cells: Active  
Chromosome aberration test in vitro: Active**Carcinogenicity:****Animal testing did not show any carcinogenic effects.**

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- In animals :  
Absence of carcinogenic effects (rat, mouse, 2 years, By diet)  
Absence of carcinogenic effects (Mouse, Chronic, dermal route)

**Reproductive toxicity:** No data available.

**Specific target organ toxicity :**

**Single exposure :**

**Inhalation:**  
At high concentrations , Dust inhalation:, Possible irritation of respiratory system

**Repeated exposure:** No data available.

**Aspiration hazard:**  
Not applicable

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**12. ECOLOGICAL INFORMATION**

Ecotoxicology Assessment: All available data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

12.1. **Acute toxicity :** No data available.

12.2. **Persistence and degradability :** None.

12.3. **Bioaccumulative potential :**

**Bioaccumulation:** **Potentially bioaccumulable.**  
Partition coefficient: n-octanol/water: log Kow : = 4,39, Potential bioaccumulation (Method: calculated)  
Partition coefficient: n-octanol/water: log Kow : = 4,39, Potential bioaccumulation (Method: calculated)

12.4. **Mobility in soil - Distribution among environmental compartments:** No data available.

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

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12.6. **Other adverse effects:** None known.

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**13. DISPOSAL CONSIDERATIONS**

13.1. **Waste treatment:**

**Disposal of product:** Destroy the product by incineration (in accordance with local and national regulations).

**Disposal of packaging:** Destroy packaging by incineration at an approved waste disposal site (in accordance with local and national regulations).

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**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION**

Safety data sheets: accordance with Annex II of Regulation (EC) No 1907/2006 and its amendment(s)

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

15.2. **Chemical safety assessment:** None.

**INVENTORIES:**

EINECS:	Conforms to
TSCA:	Conforms to
AICS:	Conforms to
DSL:	All components of this product are on the Canadian DSL
IECSC (CN):	Conforms to
ENCs (JP):	Conforms to
KECI (KR):	Conforms to
ISHL (JP):	Conforms to
PICCS (PH):	Conforms to
NZIOC:	Does not conform
TSCA 12B:	

**16. OTHER INFORMATION**
**Update:**

Safety datasheet sections which have been updated:		Type:
1	1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	Revisions
2	2. HAZARDS IDENTIFICATION	Additions
3	3. COMPOSITION/INFORMATION ON INGREDIENTS	Revisions
8	8. EXPOSURE CONTROLS/PERSONAL PROTECTION	Revisions
12	12. ECOLOGICAL INFORMATION	Revisions
15	15. REGULATORY INFORMATION	Additions

**Thesaurus:**

NOAEL : No Observed Adverse Effect Level (NOAEL)  
 LOAEL : Lowest Observed Adverse Effect Level (LOAEL)  
 bw : Body weight  
 food : oral feed  
 dw : Dry weight  
 vPvB : very Persistent and very Bioaccumulative  
 PBT : Persistent, Bioaccumulative and Toxic

This information applies to the PRODUCT AS SUCH and conforming to specifications of ARKEMA. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

**NB: In this document the numerical separator of the thousands is the "." (point), the decimal separator is "," (comma).**