

**Product:** **Ekaland DMTU CR**

Page: 1 / 6

SDS No.: 100009-100 (Version 1.4 )

Date 18.01.2011 (*Cancel and replace* : 09.12.2010)

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

**Substance name:** Ekaland DMTU CR

REACH Registration Number: The transition time according to REACH Regulation, Article 23, is still not expired.

EC Nr: 208-588-2

CAS-No.: 534-13-4

**Use of the Substance/Mixture**

No data available.

### Company/Undertaking Identification:

Supplier

MLPC International  
209, avenue Charles Despiau  
F-40370 RION-LES-LANDES  
Tel. + 33 (0) 5 58 57 02 00  
<http://www.mlpc-intl.com>  
[fds@mlpc-intl.com](mailto:fds@mlpc-intl.com)

E-mail address

**Emergency telephone number**

+ 33 (0) 5 58 57 02 00

## 2. HAZARDS IDENTIFICATION

### Classification (Regulation (EC) No 1272/2008):

Skin sensitization, 1, H317

### Classification (Directive 67/548/EEC):

Xi; R43

### **Additional information:**

For the full text of the R, H, EUH-phrases mentioned in this Section, see Section 16.

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

**Hazardous components which must be listed on the label:**

CAS-No. : 534-13-4

1,3-Dimethyl-2-thiourea

Hazard pictograms:



Signal word:

**Warning**

Hazard statements:

May cause an allergic skin reaction.

Precautionary statements:

**Prevention:**

Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/ attention.

**Disposal:**

Dispose of contents/ container to an approved incineration plant.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name of the substance<sup>1</sup>: Ekaland DMTU CR

Chemical Name <sup>1</sup>	EC-No.	CAS-No.	Concentration	Classification Directive 67/548/EEC	Classification Regulation (EC) No 1272/2008
1,3-Dimethyl-2-thiourea	208-588-2	534-13-4	> 96 %	Xi; R43	-

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

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### 4. FIRST AID MEASURES

**Description of necessary first-aid measures, Most important symptoms/effects, acute and delayed:**

**General advice:**

Take off immediately all contaminated clothing.

**Inhalation:**

Dust inhalation: Move to fresh air. In case of problems : Consult a doctor

**Skin contact:**

Wash off immediately with plenty of water. If significant contact: Consult a physician.

**Eye contact:**

Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, consult an ophthalmologist.

**Ingestion:**

Consult a doctor quickly.

**Protection of first-aiders:**

In case of insufficient ventilation, wear suitable respiratory equipment.

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### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

Suitable extinguishing media: Water spray, Foam, Dry powder

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

Thermal decomposition gives : nitrogen oxides (NOx), Sulphur oxides

**Advice for firefighters:**

**Specific methods:**

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

**Personal precautions, protective equipment and emergency procedures:**

Avoid contact with skin and eyes and inhalation of dust.

**Environmental precautions:**

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

**Methods and materials for containment and cleaning up:**

**Recovery:**  
Sweep up and shovel.

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

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## 7. HANDLING AND STORAGE

### Precautions for safe handling:

**Technical measures/Precautions:**  
Storage and handling precautions applicable to products: Liquid. Dust forming.

**Safe handling advice:**  
In case of dust formation, wear a dust mask.

**Hygiene measures:**  
General industrial hygiene practice. Avoid crushing the product and the formation and spreading of dust in the air. Wash hands after handling. Remove contaminated clothing and protective equipment before entering eating areas.

**Conditions for safe storage, including any incompatibilities:**  
Keep in a dry place.

**Incompatible products:**  
Strong acids, Oxidizing agents

**Packaging material:**  
**Recommended:** Metallic drums., Cardboard lined with polyethylene liner

**Specific use(s) (End Use):** None.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS:

**Exposure Limit Values**                      Contains no substances with occupational exposure limit values.

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

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

### 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:	Gloves
Eye/face protection:	Safety goggles
Skin and body protection:	At the workplace / Intervention at incident : Protective suit

**Environmental exposure controls:** See chapter 6

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Appearance:**

<b>Physical state (20°C):</b>	solid
<b>Form:</b>	crystalline
<b>Colour:</b>	colourless, to, green
<b>Odour:</b>	Slightly aromatic
<b>Olfactory threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Melting point :</b>	64,5 °C ((D.S.C.))
<b>Boiling point/boiling range:</b>	No data available.
<b>Flash point:</b>	None.
<b>Evaporation rate:</b>	No data available.

<b>Flammability (solid, gas):</b>	No data available.
<b>Vapour pressure:</b>	No data available.
<b>Vapour density:</b>	No data available.
<b>Density:</b>	1,200 g/cm <sup>3</sup> , at 20 °C
<b>Bulk density:</b>	500 kg/m <sup>3</sup> , at 20 °C
<b>Water solubility:</b>	Highly soluble
<b>Partition coefficient: n-octanol/water:</b>	log Kow : = -0,24, Practically no potential to bioaccumulate. (measured)
<b>Autoignition 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.
<b>Other data:</b>	
<b>Solubility in other solvents:</b>	Alcohols , Acetone , Chloroform
<b>Molecular Weight:</b>	104 g/mol

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## 10. STABILITY AND REACTIVITY

**Reactivity & Chemical stability:** No data available.

**Conditions to avoid:**  
Store protected from moisture.

**Incompatible materials to avoid:**  
Strong acids, Oxidizing agents

**Hazardous decomposition products:**  
Thermal decomposition giving toxic products

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## 11. TOXICOLOGICAL INFORMATION

### Toxicological information:

#### Acute toxicity:

**Ingestion:**                                        **Slightly or not harmful by ingestion**  
• In animals: No mortality                      LD50/rat: > 2000 mg/kg bw

#### Local effects ( Corrosion / Irritation / Serious eye damage ):

**Skin contact:**                                       **Slightly irritating to skin.**  
• In animals:                                        Mild skin irritation (after occlusive contact, rabbit, Exposure time: 24 h)

**Eye contact:**                                        **Slightly irritating to eyes.**  
• In animals:                                        Mild eye irritation (rabbit)

#### Respiratory or skin sensitization:

**Inhalation:**                                        No data available.

**Skin contact:**                                       **Skin sensitizer**  
• In man :    Some cases of cutaneous sensitization reported  
• In animals: no data available

**1,3-DIETHYL-2-THIOUREA :**  
• In man :    Proven human sensitizer  
• In animals:                                        Sensitizing effects by skin contact. (guinea pig)

#### CMR effects :

**Mutagenicity:**                                    No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:**

**Foetal development:**

• In animals: Absence of toxic effects for foetal development at non toxic maternal doses (rat)

**Specific target organ toxicity :**

**Single exposure :** No data available.

**Repeated exposure:** No data available.

**Aspiration hazard:** Not relevant

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**12. ECOLOGICAL INFORMATION**

**Acute toxicity**

**Fish:** Through analogy with a compound of the same family :

1,3-DIETHYL-2-THIOUREA :

LC50, 7 d (Brachydanio rerio) : = 465 mg/l  
LC50, 61 d (Salmo gairdneri) : = 135 mg/l

**Aquatic invertebrates:** There is no data available for this product.

**Aquatic plants:** There is no data available for this product.

**Microorganisms:** No data available.

**Persistence and degradability :**

**Biodegradation (In water):** There is no data available for this product.

**Bioaccumulative potential :**

Partition coefficient: n-octanol/water: log Kow : = -0,24, Practically no potential to bioaccumulate.  
(Method: measured)

**Mobility in soil :** No data available.

**Results of PBT and vPvB assessment:** No data available.

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**13. DISPOSAL CONSIDERATIONS**

**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: according to Regulation (EC) No. 1907/2006

**INVENTORIES:**

EINECS:	Conforms to
TSCA:	Conforms to
AICS:	Conforms to
DSL:	This product contains one or several components listed in the Canadian NDSL list. All other components are on the DSL list.
ENCS (JP):	Conforms to
KECI (KR):	Conforms to
PICCS (PH):	Conforms to
IECSC (CN):	Conforms to
NZIOC:	Does not conform

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**16. OTHER INFORMATION**

**Full text of R, H, EUH-phrases referred to under sections 2 and 3**

R43	May cause sensitization by skin contact.
H317	May cause an allergic skin reaction.

**Thesaurus:**

NOAEL : No Observed Adverse Effect Level (NOAEL)  
LOAEL : Lowest Observed Adverse Effect Level (LOAEL)  
bw : Body weight  
food : oral feed  
dw : Dry weight

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).**

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