

# SAFETY DATA SHEET

In accordance with 453/2010 and 1272/2008

(All references to EU regulations and directives are abbreviated into only the numeric term)

Issued 2015-03-19



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

### 1.1. Product identifier

Trade name

**Deca-Flux Pincel Ecogel**

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

Identified uses

Flux agents for soldering

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

Company

Tubman AB  
Idrottsvägen 4, 3 tr  
SE-13440 GUSTAVSBERG  
Sweden  
+46 8-404 11 40  
elinor.stenberg@tubman.se

Telephone

E-mail

### 1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 1-800-222-1222 (for USA). For other countries, use the built-in emergency number in your cell phone

For non-emergency poison information, see [http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification in accordance with 1272/2008

Irritates eyes (Category 2)

Classification in accordance with 1999/45/EG

This product is assessed and not classified as hazardous.

### 2.2. Label elements

Label information in accordance with 1272/2008

Hazard pictograms



Signal words

Warning

Hazard statements

H319

Causes serious eye irritation

Precautionary statements

P101

If medical advice is needed, have product container or label at hand

P102

Keep out of reach of children

P264

Wash hands thoroughly after handling

P337+P313

If eye irritation persists: Get medical advice/attention

Label information in accordance with 1999/45/EG

See section 16.

### 2.3. Other hazards

Not relevant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of a homogeneous mixture of liquids.

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in a pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>ALCOHOLS, C16-18, ETHOXYLATED</b>		
CAS No 68439-49-6	Acute Tox 4 <i>oral</i> , Eye Irrit 2; H302, H319	< 20%
EC No 500-212-8	Xn; R22 R36	

Sum of max concentrations 100%

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complement used in the calculation of the hazards of this mixture, see Section 16b  
Also contains component(s) not necessary to label.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms persist, call doctor/physician.

#### Upon breathing in

Move casualty to fresh air and rinse nose, mouth and throat with water.

#### Upon contact with the eyes

Flush eye for several minutes. If irritation persists please seek medical advice for continued treatment. Present this classification according to section 2 in this Safety Data Sheet.

#### Upon skin contact

Wash the skin with soap and water.

#### Upon ingestion

Flush nose, mouth and throat with water.

Upon ingestion of larger amounts, consult a doctor/physician.

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

No further relevant information available.

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

Symptomatic treatment.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

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

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

The product does not oxidise.

### 5.3. Advice for fire-fighters

In case of fire use a respirator mask.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use recommended safety equipment, see section 8.

Do not inhale the product and avoid exposure to skin and eyes.

### 6.2. Environmental precautions

Avoid discharge into soil, water or sewers.

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

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

After thoroughly removing the spill, clean contaminated surfaces with water.

Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

For waste disposal see section 13.

#### 6.4. Reference to other sections

Not applicable

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Treat the substance as potentially harmful to health.

Keep out of reach of children and pets.

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

Store this product separately from food items and keep it out of the reach of children and pets.

Do not eat, drink or smoke in premises where this product is stored.

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

Do not store above normal room temperature.

Handle in premises which have modern ventilation standards.

Store in a well-ventilated area, not above eye-level.

Store only in the original package.

### 7.3. Specific end uses

Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. National limit values, United Kingdom

All ingredients (cf. Section 3) lack occupational exposure limit values.

### 8.2. Exposure controls

In terms of minimizing risks, attention must be paid to the health hazards (see Sections 2, 3 and 10) of this product or any of its ingredients according to EU directives 89/391 and 98/24 and national occupational legislation.

Eye protection should be worn if there is any danger of direct exposure or splashing.

Special measures for protection of the skin are necessary only in rare working situations. In case of doubt, consult occupational expertise. Show this safety data sheet.

Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.

For limitation of environmental exposure, see Section 12.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

a) Appearance	Form: gel Colour: yellow
b) Odour	Scentless
c) Odour threshold	Not applicable
d) pH	Not applicable
e) Melting point/freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	> 165°C
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapour pressure	Not applicable
l) Vapour density	Not applicable
m) Relative density	1.1 kg/L
n) Solubility	Solubility in water: Soluble
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable

s) Explosive properties

Not applicable

t) Oxidising properties

Not applicable

## **9.2. Other information**

No data available

# **SECTION 10: STABILITY AND REACTIVITY**

## **10.1. Reactivity**

The product contains no substances which can lead to hazardous reactions at normal use.

## **10.2. Chemical stability**

Stable emulsion up to 65 °C and activity up to 300 °C.

## **10.3. Possibility of hazardous reactions**

No hazardous reactions known.

## **10.4. Conditions to avoid**

None in particular.

## **10.5. Incompatible materials**

Avoid contact with oxidizers.

Avoid contact with acids.

Avoid contact with aluminium.

Avoid contact with aldehydes.

Avoid contact with carbonates.

## **10.6. Hazardous decomposition products**

None under normal conditions.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

## **11.1. Information on toxicological effects**

### **General or unspecific toxicity**

The product is not classified as toxic.

### **Acute effects**

Not classified as an acutely toxic substance.

### **Harmfulness**

The product is not classified as harmful to health.

### **Repeated dose toxicity**

To the best of our knowledge, no chronic effects have been reported for this product.

### **Carcinogenicity**

To the best of our knowledge, no carcinogenic effects have been reported for this product.

### **CMR effects**

To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

### **Sensibilisation**

Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

### **Corrosive and irritating effects**

Eye contact may cause burning pain or irritation.

Can cause skin irritation after repeated or prolonged contact.

### **Synergism and antagonism**

To the best of our knowledge, no synergistic effects have been reported for this product or any of its ingredients.

### **Effect on judgement and other psychological effects**

To the best of our knowledge this product does not affect discernment if used in the manner intended.

### **Effect on human microflora**

Effects on human micro flora have not been proven, or are negligible.

### **Relevant toxicological properties**

**ALCOHOLS, C16-18, ETHOXYLATED**

LD50 rat (Dermally) 4h = 1260 mg/kg oral

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No ecological damage is known or expected in the event of normal use.  
Prevent release on land, in water and drains.

### 12.2. Persistence and degradability

The product contains certain components which are not easily degradable.

### 12.3. Bioaccumulative potential

There is no information regarding bioaccumulation.

### 12.4. Mobility in soil

The product is miscible with water and is therefore variable in soil and water.

### 12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

### 12.6. Other adverse effects

None known effects or hazards.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste handling for the product

The product is not classified as hazardous waste.  
Also take local regulations for dealing with waste into account.  
Avoid discharge into sewers.  
Cf. also national waste regulations.

#### Classification according to 2006/12

Recommended LoW-code: 11 02 99 Wastes not otherwise specified.

#### Recycling of the product

Residual, old or contaminated product should be disposed of at a waste management facility.

## SECTION 14: TRANSPORT INFORMATION

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this safety data sheet.

### 14.1. UN number

Not classified as dangerous goods

### 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

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

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

Not applicable.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: OTHER INFORMATION

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

This is the first version.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Acute Tox 4oral                      Acute toxicity (Category 4 oral)  
Eye Irrit 2                              Irritates eyes (Category 2)

#### Comprehensive definition of the hazards mentioned in Section 2

##### Eye Irrit 2

If, when applied to the eye of an animal, a substance produces at least in 2 of 3 tested animals, a positive response of:

- corneal opacity  $\geq 1$  and/or
- iritis  $\geq 1$ , and/or
- conjunctival redness  $\geq 2$  and/or
- conjunctival oedema (chemosis)  $\geq 2$

calculated as the mean scores following grading at 24, 48 and 72 hours after installation of the test material, and which fully reverses within an observation period of 21 days

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

### 16c. Key literature references and sources for data

#### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2015-03-24.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

#### Full texts for Regulations mentioned in this Safety Data Sheet

- 453/2010      COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008      REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 1999/45/EG      DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
- 89/391          COUNCIL DIRECTIVE (89/391/EEC) of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
- 98/24           COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
- 2006/12          DIRECTIVE 2006/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on waste
- 1907/2006      REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

### 16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI.

**16e. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**

**Full text for risk phrases mentioned in section 3**

R22 Harmful if swallowed

R36 Irritating to eyes

**Full texts for hazard statements mentioned in section 3**

H302 Harmful if swallowed

H319 Causes serious eye irritation

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment**

**Other relevant information**

**Label information in accordance with 1999/45/EG**

Hazard symbol Not applicable

R-phrases Not applicable

S-phrases Not applicable

**Editorial information**

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