

## Christolix 142 EP Green

Revision date 09-Aug-2018

Supersedes date 04-May-2015

Version 2

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

#### 1.1. Product identifier

**Product name** Christolix 142 EP Green - 863588-863589

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

**Recommended use** Lubricating grease only for industrial use.

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

Rubix Engineering

31, Rue de la Baume

75008 PARIS, France

Tel : +33 (0)1.44.86.08.10

infoclient@giss.fr

#### 1.4. Emergency telephone number

<b>Emergency telephone - §45 - (EC)1272/2008</b>	
<b>Europe</b>	112
<b>France</b>	ORFILA : + 33 (0) 1 45 42 59 59

### Section 2: HAZARDS IDENTIFICATION

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

**Symbols/Pictograms** None

**Signal word** None

#### **EU Specific Hazard Statements**

EUH210 - Safety data sheet available on request

**2.3. Other hazards**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Chemical name	EC No	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Dilithium azelate	254-184-4	38900-29-7	2.5-5	Acute Tox. 4 (H302)	01-2120119814-57

**Ingredient comments**

This product is a lithium complex grease based on mineral oil with additives. The mineral oils in the product contain <3% DMSO-extract (IP 346).

**Full text of H- and EUH-phrases: see section 16**

### Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors.
<b>Skin contact</b>	Wash with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Ingestion</b>	Do NOT induce vomiting. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

**5.1. Extinguishing media****Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

Not flammable. Fire may produce irritating and/or toxic gases.

**5.3. Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

#### **Personal precautions**

Extremely slippery when spilled. Use personal protection recommended in Section 8.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

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

#### **Methods for cleaning up**

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

### 6.4. Reference to other sections

#### **Other information**

See Section 12: ECOLOGICAL INFORMATION.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Extremely slippery when spilled.

#### **General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.

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

#### **Storage conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep at a temperature not exceeding 45°C. Keep away from heat, sparks and open flame.

### 7.3. Specific end use(s)

#### **Risk management methods**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

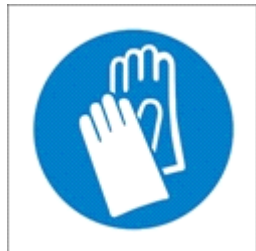
### 8.1. Control parameters

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering controls** None under normal processing.

**Personal protective equipment****Hand protection**

Wear protective nitrile rubber gloves. Thickness  $\geq 0.38$  mm - breakthrough time  $>480$  minutes. Thickness 0.1 mm - splash protection. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Conform EN 374-2 and EN 347-3.

**Eye/face Protection**

Avoid contact with eyes.

**Body protection**

Suitable protective clothing.

**Respiratory protection**

None under normal processing. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

Prevent product from entering drains.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state</b>	Semi-solid
<b>Appearance</b>	Smooth
<b>Color</b>	green
<b>Odor threshold</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		No information available
<b>Melting point/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		Not applicable
<b>Flash point</b>	$> 150$ °C / $> 302$ °F	Based on base oils
<b>Evaporation rate</b>		Not applicable
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability limits in air</b>		No information available
<b>Vapor pressure</b>		Not applicable
<b>Vapor Density</b>		Not applicable
<b>Specific gravity</b>		No information available
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient (n-octanol/water)</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		No information available

**9.2. Other information**

<b>Density</b>	$< 1000$ kg/m <sup>3</sup> @ 25 °C / 77 °F
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## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Stable.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Not hazardous based on component data.
<b>Skin corrosion/irritation</b>	Not hazardous based on component data.
<b>Serious eye damage/eye irritation</b>	Not hazardous based on component data.
<b>Sensitization</b>	Not hazardous based on component data.
<b>Germ cell mutagenicity</b>	Not hazardous based on component data.
<b>Carcinogenicity</b>	Not hazardous based on component data.
<b>Reproductive toxicity</b>	Not hazardous based on component data.
<b>STOT-single exposure</b>	Not hazardous based on component data.
<b>STOT-repeated exposure</b>	Not hazardous based on component data.
<b>Aspiration hazard</b>	Not hazardous based on component data.

The following values are calculated based on chapter 3.1 of the GHS document

<b>Oral LD50</b>	3662 mg/kg
<b>Dermal LD50</b>	5184 mg/kg

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Dilithium azelate		> 2000 mg/kg	

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation** Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.

<b>Eye contact</b>	Not expected to cause eye irritation.
<b>Skin contact</b>	Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Malaise (vague feeling of discomfort).

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

### 12.2. Persistence and degradability

Not readily biodegradable.

### 12.3. Bioaccumulative potential

Material does not bioaccumulate.

### 12.4. Mobility in soil

#### **Mobility in soil**

After release, adsorbs onto soil.

#### **Mobility**

Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

**Waste codes / waste designations according to LoW / AVV** 13 08 99\*

## Section 14: TRANSPORT INFORMATION

Not regulated according to ADR/RID, IMDG, IATA.

### 14.1. UN number

Not regulated

### 14.2. UN proper shipping name

Not regulated

**14.3. Transport hazard class(es)**

Not regulated

**14.4. Packing group**

Not regulated

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

None

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

**Section 15: REGULATORY INFORMATION**

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

**Water hazard class (WGK)**                      Slightly hazardous to water (WGK 1)

**European Union**

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.

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>AICS</b>	Complies
<b>KECL</b>	-
<b>NZIoC</b>	-

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

No information available

**Section 16: OTHER INFORMATION**

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**Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ADR Accord européen relatif au transport international de marchandises Dangereuses par Route  
CAS Chemical Abstracts Service  
CLP Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]  
EC European Commission  
EEC European Economic Community  
EUH statement = CLP-specific Hazard statement  
GHS Globally Harmonised System of Classification and Labelling of Chemicals  
IATA International Air Transport Association  
IMDG International Maritime Dangerous Goods Code  
LD50 Median Lethal Dose for 50% of subjects  
REACH Registration, Evaluation and Authorization of CHemicals  
RID Règlement concernant le transport international ferroviaire des marchandises dangereuses  
WGK Wassergefährdungsklasse

**Revision date** 09-Aug-2018

**Revision note** SDS sections updated, 1, 2, 3, 8, 11, 16.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**