



1. útgáfa 25.10.2021

# Öryggisblað (SDS)

Samkvæmt reglugerð Nr. 888/2015 (EB reglugerð 1907/2006 REACH)

## 1. Auðkenning efnisins eða blöndunnar og félagsins eða fyrirtækisins

### 1.1 Vörukenni:

**Axellence 151 EP**

Vörunúmer:

-

### 1.2 Viðeigandi og tilgreind notkun efnis eða blöndu og notkun sem ráðið er frá:

Viðeigandi notkun

Smurfeiti.

Notkun sem ráðið er frá

Engar upplýsingar fyrirleggjandi.

### 1.3 Söluaðili:

**N1**

**Framleiðandi:**

Axel Christiernsson AB

Dalvegur 10-14

Strandvägen 10

201 Kópavogur

SE-449 41 Nol, Svíþjóð

440 1000

00-46-303-332500

Sími:

Netfang:

[n1@n1.is](mailto:n1@n1.is)

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Veffang:

[www.n1.is](http://www.n1.is)

[www.axelch.com](http://www.axelch.com)

### 1.4 Neyðarsímanúmer:

Eitrunarmiðstöð LSH veitir upplýsingar allan sólarhringinn um viðbrögð við slysum með hættuleg efni. Sími 543 2222. Neyðarlínan, lögregla, slökkvilið, sjúkraflutningar; sími 112.

## 2. Hættugreining

### 2.1 Flokkun efnisins eða blöndunnar:

Flokkun skv. reglugerð EB 1272/2008 (CLP):

Varan er ekki flokkuð sem hættuleg.

### 2.2 Merkingaratriði:

Merking skv. reglugerð EB 1272/2008 (CLP):

Hættumerki

Engin.

Viðvörðunorð

Ekkert.

Hættusetningar

Engar.

Varnaðarsetningar

P102  
EUH210

Geymist þar sem börn ná ekki til.  
Öryggisblað er fánlegt sé um það beðið.

### 2.3 Aðrar hættur:

Sjá einnig 11. og 15. lið.

Varan inniheldur engin efni sem flokkast sem PBT eða vPvB.  
(**PBT**: Þrávirkt, safnast upp í lífverum, eitrað. **vPvB**: Afar þrávirkt, safnast mjög fyrir í lífverum).

## Axellence 151 EP

Revision date 04-Sep-2015

Supersedes date 04-Sep-2015

Revision Number 1.01

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

#### 1.1. Product identifier

Product Name Axellence 151 EP

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

Recommended use Lubricating grease.  
Uses advised against No information available.

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

##### Manufacturer

Axel Christiernsson AB  
Strandvägen 10  
SE 449 41 Nol  
Sweden  
Telephone: +46 (0) 303 332500

##### For further information, please contact

[hse.support@axelch.com](mailto:hse.support@axelch.com)

#### 1.4. Emergency telephone number

Emergency telephone +46 (0) 303 332500 during working hours.

Emergency telephone - §45 - (EC)1272/2008

Europe |112

### SECTION 2: Hazards identification

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

Regulation (EC) No 1272/2008

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]

#### **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

#### 3.1 Substances

Not applicable.

#### 3.2 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	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

**Inhalation** Move to fresh air in case of accidental inhalation of vapours.

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

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

**Symptoms** No information available.

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

**Note to doctors** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant 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

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

#### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation. Extremely slippery when spilled.

**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Avoid contact with eyes and prolonged or repeated contact with skin.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep at a temperature not exceeding 45 °C.

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

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

**SECTION 8: Exposure controls/Personal protection****8.1. Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

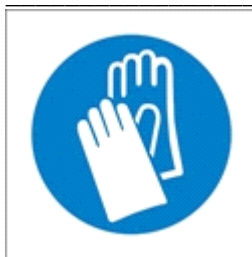
**Derived No Effect Level (DNEL)** No information available.

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

**8.2. Exposure controls**

**Engineering controls** Eyewash stations  
Ventilation systems

**Personal protective equipment**



<b>Hand protection</b>	Wear suitable gloves tested to EN 374. Nitrile rubber. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.
<b>Eye/face protection</b>	No special protective equipment required. If splashes are likely to occur, wear safety glasses with side-shields.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	None under normal use conditions. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Solid
<b>Appearance</b>	No information available
<b>Colour</b>	No information available
<b>Odour</b>	No information available
<b>Odour threshold</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>		No information available
<b>Flash point</b>	> 150 °C / > 302 °F	Based on base oils
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limit in Air</b>		No information available
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Vapour pressure</b>		No information available
<b>Vapour density</b>		No information available
<b>Relative density</b>		No information available
<b>Water solubility</b>	Insoluble in water	No information available
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Kinematic viscosity</b>	> 20.5 mm <sup>2</sup> /s	@ 40 °C
<b>Dynamic viscosity</b>		No information available

### 9.2. Other information

<b>Explosive properties</b>	None under normal use conditions
<b>Oxidising properties</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	< 1000 kg/m <sup>3</sup> @ 25 °C / 77 °F

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Excessive heat.

### 10.5. Incompatible materials

**Incompatible materials** Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None under normal use conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

### Information on likely routes of exposure

**Inhalation** Not an expected route of exposure. Specific test data for the substance or mixture is not available.

**Eye contact** Not expected to cause eye irritation.

**Skin contact** Non-irritating during normal use. Prolonged or repeated contact may dry skin and cause irritation.

**Ingestion** No known hazard by swallowing. May cause gastrointestinal discomfort if consumed in large amounts.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Numerical measures of toxicity

#### **Acute toxicity**

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

ATEmix (oral)	4.410,00 mg/kg
ATEmix (dermal)	4.178,30 mg/kg

#### **Unknown acute toxicity**

Not applicable.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Dilithium azelate	> 300 mg/kg	> 2000 mg/kg	

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity**

<b>Ecotoxicity</b>	Not considered to be harmful to aquatic life.
<b>Unknown aquatic toxicity</b>	Contains 0 % of components with unknown hazards to the aquatic environment.

**12.2. Persistence and degradability**

<b>Persistence and degradability</b>	Not readily biodegradable.
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**12.3. Bioaccumulative potential**

<b>Bioaccumulation</b>	Material does not bioaccumulate.
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**12.4. Mobility in soil**

<b>Mobility in soil</b>	After release, adsorbs onto soil.
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<b>Mobility</b>	Insoluble in water.
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**12.5. Results of PBT and vPvB assessment**

<b>PBT and vPvB assessment</b>	The components in this formulation do not meet the criteria for classification as PBT or vPvB.
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**12.6. Other adverse effects**

<b>Other adverse effects</b>	No information available.
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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused</b>	Disposal should be in accordance with applicable regional, national and local laws and
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**products** regulations. Dispose of contents/container to industrial incineration plant. Should not be released into the environment. Use personal protection recommended in Section 8.

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

## SECTION 14: Transport information

### IMDG

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 Marine pollutant	Not applicable
14.6 Special precautions for user	None

### RID

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

### ADR

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

### 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

### ICAO (air)

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 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



**Authorisations and/or restrictions on use**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

**Persistent Organic Pollutants**

Not applicable.

**Export Notification requirements**

Not applicable.

**Dangerous substance category per Seveso Directive (2012/18/EU)**

Non-controlled.

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable.

**International Inventories**

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

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**REACH** - Registration, Evaluation, Authorization, and Restriction of Chemicals Regulation (EC 1907/2006)

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**TSCI** - Taiwan Chemical Substance Inventory

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available.

**SECTION 16: Other information****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 - European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE - Acute Toxicity Estimate

CAS - Chemical Abstracts Service

CLP - EU Regulation on the Classification, Labelling and Packaging of Substances and Mixture

EC - European Commission

EUH - European Hazard statement

GHS - Globally Harmonized System of Classification and Labelling

IATA - International Air Transport Association

IMDG - International Maritime Dangerous Goods

PBT - Persistent, Bio-accumulative and Toxic

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

RID - European Agreements Concerning the International Carriage of Dangerous Goods by Rail  
 STOT - Specific Target Organ Toxicity  
 VOC - Volatile Organic Compounds  
 vPvB - Very Persistent, Very Bio-accumulative

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Classification procedure**

Calculation method  
 Bridging principle "Substantially similar mixtures"  
 Expert judgment and weight of evidence determination

**Key literature references and sources for data used to compile the SDS**

Acute Exposure Guideline Level(s) (AEGl(s))  
 Agency for Toxic Substances and Disease Registry (ATSDR)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 EPA (Environmental Protection Agency)  
 European Chemicals Agency  
 European Food Safety Authority (EFSA)  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 NIOSH (National Institute for Occupational Safety and Health)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
 Organisation for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 U.S. Environmental Protection Agency ChemView Database  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 World Health Organization

<b>Issuing Date</b>	28-Mar-2013
<b>Revision date</b>	04-Sep-2015
<b>Revision Note</b>	SDS sections updated, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
<b>Training Advice</b>	None in particular. The information required is contained in this Safety Data Sheet.

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

**Disclaimer**

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

**End of Safety Data Sheet**