

Axellence 652 EPB

Revision date 05-Oct-2020

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Revision Number 8.01

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

1.1. Product identifier

Product Name Axellence 652 EPB

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

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 [CLP]

2.2. Label elements

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

EU Specific Hazard Statements

EUH210 - Safety data sheet available on request

EUH208 - Contains (Bismuth Naphthenate). May produce an allergic reaction

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 [CLP]

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
Bismuth Naphthenate	288-470-5	85736-59-0	2.5-5	Skin Sens. 1 (H317) Eye Irrit. 2 (H319)	01-2120769500-56

Ingredient comments This product is a lithium complex grease based on polyalphaolefin with additives.

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. CO₂, 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 Firefighters should wear self-contained breathing apparatus and full firefighting turnout

fire-fighters 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

**Hand protection**

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.

Eye/face protection

No special protective equipment required. If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection

No special protective equipment required.

Respiratory protection

None under normal use conditions. 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

Physical state	Semi-Solid
Appearance	No information available
Colour	beige
Odour	No information available
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No information available
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point	> 150 °C / > 302 °F	Based on base oils
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure		No information available
Vapour density		No information available
Relative density		No information available
Water solubility	Insoluble in water	No information available
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity	> 20.5 mm ² /s	@ 40 °C

Dynamic viscosity No information available

9.2. Other information

Explosive properties None under normal use conditions
 Oxidising properties No information available
 VOC Content (%) 0
 Liquid Density < 1000 kg/m³ @ 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) 3.261,50 mg/kg

ATEmix (dermal)	2.437,90 mg/kg
ATEmix (inhalation-dust/mist)	5,33 mg/l

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**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met. Data obtained on this product or a similar product.

Product Information	
Method	OECD Test No. 429: Skin Sensitisation: Local Lymph Node Assay
Species	Mouse
Exposure route	Dermal
Results	Not a skin sensitiser

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT - single exposure** Based on available data, the classification criteria are not met.**STOT - repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity** Not considered to be harmful to aquatic life.**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.**12.2. Persistence and degradability****Persistence and degradability** Not readily biodegradable.**12.3. Bioaccumulative potential****Bioaccumulation** 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**

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Dilithium azelate	The substance is not PBT / vPvB

12.6. Other adverse effects

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. 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

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

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

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

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

EC - European Commission

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

GHS - Globally Harmonized System of Classification and Labelling

EEC - European Economic Community

EUH - European Hazard statement

CAS - Chemical Abstracts Service

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals

LD50 - Median Lethal Dose for 50% of subjects

WGK - Wassergefährdungsklasse

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

RID - European Agreements Concerning the International Carriage of Dangerous Goods by Rail

IMDG - International Maritime Dangerous Goods

IATA - International Air Transport Association

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA - TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

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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

Issuing Date 01-Apr-2013**Revision date** 05-Oct-2020**Revision Note** SDS sections updated, 9.**Training Advice** 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