

Acinol 142 EP

Revised on 17-March-2023

Replaces version from 30-Jan-2023

Revision number 7.02

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

1.1. Product identifier

Product name Acinol 142 EP

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended use Lubricating

grease

Uses advised against There is 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
Phone: +46 (0) 303 332500

For further information see e-mail address

hse.support@axelch.com

1.4. Emergency number

Emergency number +46 (0) 303 332500 during business hours

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

Europe	112
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SECTION 2: Potential hazards

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [CLP]

2.2. Labeling elements

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [CLP]

EU instructions on specific hazards

EUH210 - Safety data sheet available on request

EUH208 - Contains (Naphthenic acids, zinc salts, basic). May cause allergic reactions

2.3. Other dangers

The components of this formulation do not meet the criteria for classification as a PBT or vPvB substance. This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition / Information on ingredients

3.1 Fabrics

Not applicable.

3.2 Mixtures

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008 [CLP]

Chemical name	Weight-%	REACH registration number	CAS-No	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL):	M-factor	M-factor (long-term)
Naphthenic acids, zinc salts, basic	<1	01-2119988500-34	84418-50-8	282-762-6	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	-	-	-

COMPOSITION COMPOSITION This product is a lithium grease based on mineral oil with additives. The RE Mineral oils in this product contain <3% DMSO extract (IP 346).

For the wording of the H- and EUH-phrases see section 1 6

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 h - Dust/mist - mg/l	Inhalation LC50 - 4 h - Vapor - mg/l	Inhalation LC50 - 4 h - Gas - ppm
Naphthenic acids, zinc salts, basic 84418-50-8	2001	2001	No data available	No data available	No data available

This product does not contain substances of very high concern (SVHC) on the candidate list in a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1 Description of first aid measures

General recommendation	This safety data sheet must be shown to the attending physician.
Inhalation	In case of accidental inhalation of vapors, move to fresh air.
Eye contact eye area.	Rinse thoroughly with plenty of water for at least 15 minutes, avoiding the upper and lower Lift the lower eyelid. Seek medical help.
Skin contact	In case of skin irritation or allergic reactions, consult a doctor. Wash skin with soap and water.
Ingestion	Rinse out mouth. Do not induce vomiting without medical advice. If symptoms occur, seek medical attention.
Self-protection of the first aider	There is no information available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No information available.

4.3 Indication of any immediate medical attention or special

treatment needed Advice for doctorSymptomatic

treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing agent

Suitable extinguishing agents CO2, dry extinguishing agent, dry sand, alcohol-resistant foam.
Use firefighting measures that are adapted to the local conditions and environment.

Large fire CAUTION: The use of water spray for firefighting may be ineffective.

Unsuitable extinguishing agents Do not use a massive water jet because it will spread the fire and can spread.

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance Fire may cause irritating, corrosive or toxic gases.

5.3. Instructions for firefighting

Special protective equipment and precautions for firefighting Fire-fighting teams must wear self-contained breathing apparatus and full operational clothing. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Extremely slippery if spilled.

Emergency personnel Use personal protective equipment recommended in section 8.

6.2. Environmental protection measures

Environmental precautions See section 12 for additional environmental information.

6.3. Methods and material for retention and cleaning

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

Cleaning procedure Take up with sand or other non-combustible absorbent material and Store in suitable containers for later disposal.

Avoidance of secondary hazardsClean **contaminated** objects and surfaces thoroughly in compliance with environmental regulations.

6.4. Reference to other sections

Reference to other sections Further information can be found in section 8. Further information can be found in Section 13.

SECTION 7: Handling and storage

7.1. Protective measures for safe handling

Notes on safe handling Contact with the eyes and prolonged or repeated contact with the skin avoid. Ensure adequate ventilation.

General hygiene regulations Handle with good occupational hygiene and safety techniques.

7.2. Conditions for safe storage, taking into account incompatibilities

Storage conditions Keep container tightly closed and store in a dry and well-ventilated place. For Do not store at temperatures exceeding 45 °C/ 113 °F.

7.3. Specific end uses

Risk management measures (RMM) The necessary information is contained in this safety data sheet.

SECTION 8: Exposure controls/personal protective equipment**8.1. Parameters to be monitored**

Exposure limits This product, as supplied, contains no harmful substances with Occupational exposure limits set by the authority responsible for the region.

Biological occupational exposure limits As supplied, this product does not contain any hazardous materials with biological effects.
limits set by the country-specific regulatory bodies.

Derived exposure level without impairment (Derived No Effect Level) There is no information available.

Estimated Predicted no effect concentration (PNEC) There is no information available.

8.2. Exposure controls and monitoring

Technical control equipment Eye shower stations. Ventilation systems.

Personal protective equipment



Hand protection Nitrile rubber. Wear suitable protective gloves tested according to EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Use the supplier's information on the breakthrough time for the specific gloves.

Eye/face protection If splashes are to be expected, safety goggles with side protection must be worn. be used. No special protective equipment is required.

Skin and body protection	No special protective equipment is required.
Respiratory protection	In case of exposure to mist, spray or aerosol wear suitable respiratory protection and protective clothing. None known under normal conditions of use.
General hygiene regulations	Handle with good occupational hygiene and safety techniques.
Limiting and monitoring environmental exposure	Do not allow to enter drains or waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Physical state Paste /

gel Liquid

Appearance	Semi-solid
color	light yellow
Odor	Ester
Odor threshold	No information available

<u>Property</u>	<u>V a l u e s</u>	<u>Remarks - M e t h o d</u>
Melting point / freezing point		No information available
Initial boiling point and boiling range		No information available
Inflammability		No information available
Flammability limit value in the air		There is no information available
Upper flammability or explosion limit	No data available No	
Lower flammability or explosion limit	data available	
Flash point	> 200 °C / > 392	°FEN ISO 1523
Auto-ignition temperature		No information available
Decomposition temperature		No information available
pH value		No information available
pH (as aqueous solution)		No information available
Viscosity, kinematic	> 20.5	mm ² /s@ 40 °C
Dynamic viscosity	No data available	No information available Water
solubility	Insoluble in water	No information available
Solubility(ies)		No information available
Partition coefficient	No data available	No information available
Vapor pressure		No information available
Relative density		No information available
Bulk density	No data available	
Liquid density	< 1000 kg/m ³ @ 25 °C / 77 °F	
Relative vapor density	No data available	
Particle properties		
Particle size	No information available	
Particle size distribution	No information available	

9.2. Other information

Content of the volatile organic compound	No data available
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9.2.1. Information on physical hazard classes

Explosive properties	None known under normal conditions of use
Oxidizing properties	No information available

9.2.2. Other security features

Evaporation rate	No information available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None during normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat.

10.5. Incompatible materials

Incompatible materials Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known under normal conditions of use.

SECTION 11: Toxicological information**11.1. Information on hazard classes according to Regulation (EC) No. 1272/2008**

Product information According to information known or made available, the product does not present any danger in the form of acute toxicity.

Information on probable routes of exposure

Inhalation	No expected exposure pathway. Specific test data for the substance or mixture are not available.
Eye contact	No eye irritation expected.
Skin contact	Not irritating under normal use. Prolonged or repeated contact may cause dry and irritated skin.
Ingestion	May cause gastrointestinal discomfort if consumed in large quantities. No known dangers if swallowed.

Symptoms related to the physical, chemical and toxicological properties Symptoms No information available.

Toxicity index**Acute toxicity**

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

ATEmix (oral)	5,078.30 mg/kg
ATEmix (dermal)	4,737.30 mg/kg

Unknown acute toxicity

0 percent of the mixture consists of one or more components of unknown toxicity

Information on the components

Chemical name	LD50 oral	LD50 dermal	LC50 Inhalation
Naphthenic acids, zinc salts, basic	> 2000 mg/kg	> 2000 mg/kg (Rabbit)	> 420 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects after short or long term exposure Skin corrosion/irritation

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 sensitization or of the skin Based on available data, the classification criteria are not met.

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 single Based on available data, the classification criteria are not met. **STOT -** exposureBased 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.

11.2. Information on other hazards**11.2.1. Endocrine disrupting properties**

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects There is no information available.

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

Ecotoxicity Not considered harmful to aquatic organisms.

Unknown aquatic toxicity Contains 0 % components of unknown aquatic toxicity.

12.2. Persistence and degradability

Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation Material is not bioaccumulative.

12.4. Mobility in soil

Mobility in soil Absorbed by soil after release.

Mobility Insoluble in water.

12.5. Results of the PBT and v P v B assessment**Results of the PBT and vPvB assessment**

Chemical name	Results of the PBT and vPvB assessment
Naphthenic acids, zinc salts, basic	PBT assessment is not applied

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other harmful effects

Other adverse effects No information available.

SECTION 13: Disposal instructions

13.1. Waste treatment process

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 incinerator. Must not be released into the environment. Use personal protective equipment recommended in section 8.

Contaminated packaging Do not reuse emptied containers.

Waste codes / waste designations according to EAK / AVV 13 08 99*.

SECTION 14: Transport information

IMDG

14.1 UN number or	ID number	Not regulated
14.2 UN proper shipping name		Not regulated
14.3 Transport	hazard classes	Not regulated
14.4	Packaging group	Not regulated
14.5	Environmental hazards	Not applicable
14.6 Special precautions for the user	No	

RID

14.1 UN number or	ID number	Not regulated
14.2 UN proper shipping name		Not regulated
14.3 Transport	hazard classes	Not regulated
14.4	Packaging group	Not regulated
14.5	Environmental hazards	Not applicable
14.6 Special precautions for the user	No	

ADR

14.1 UN number or	ID number	Not regulated
14.2 UN proper shipping name		Not regulated
14.3 Transport	hazard classes	Not regulated
14.4	Packaging group	Not regulated
14.5	Environmental hazards	Not applicable
14.6 Special precautions	No	

for the user

IATA

14.1 UN number or	ID number	Not regulated
14.2 UN proper shipping name		Not regulated
14.3 Transport	hazard classes	Not regulated
14.4	Packaging group	Not regulated
14.5	Environmental hazards	Not applicable
14.6 Special precautions for the user		No

ICAO (International Civil Aviation Association, International Civil Aviation Organization) (air)

14.1 UN number or	ID number	Not regulated
14.2 UN proper shipping name		Not regulated
14.3 Transport	hazard classes	Not regulated
14.4	Packaging group	Not regulated
14.5	Environmental hazards	Not applicable
14.6 Special precautions for the user		No

14.7 Transport of bulk goods by sea in accordance with IMO instruments

There is no information available

SECTION 15: Legislation

15.1. Safety, health and environmental regulations/legislation specific for the substance or material Mixture

Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union

Observe Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Permits and/or restrictions on use:

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

Persistent organic pollutants

Not applicable.

Requirements for the issuance of export licenses

Not applicable.

Category for hazardous substances in accordance with the Seveso Directive (2012/18/EU)

Not controlled.

Regulation on ozone-depleting substances (EC) No. 1005/2009

Not applicable.

International inventories

TSCA	Fulfilled
DSL/NDL	Fulfilled
EINECS/ELINCS	Fulfilled
REACH	Fulfilled

ENCS	Fulfilled
IECSC	Fulfilled
KECL	Fulfilled
PICCS	Fulfilled
AIIC	Fulfilled
NZIoC	Fulfilled
TSCI	Fulfilled

Legend:

TSCA - U.S. Hazardous Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian equivalent of the European list of existing substances/Canadian list of substances that are only on the market abroad

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**

- Japanese Inventory of Existing Chemical Substances (Japan Existing and New Chemical Substances) **IECSC** -

Chinese Inventory of Existing Chemical Substances (China Inventory of Existing Chemical Substances)

KECL - Korean Existing and Evaluated Chemical Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AIIC - Australian Inventory of Industrial Chemicals

NZIoC - New Zealand Inventory of Chemicals

TSCI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical safety report There is no information available

SECTION 16: Other information**Text of the H-phrases referred to in section 3**

H317 - May cause an allergic skin reaction H319 -

Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Key or legend for 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

EECEuropean Economic

Community EUH - European Hazard

statement

CAS - Chemical Abstracts Service

REACH - Registration, Evaluation, Authorization and Restriction of

Chemicals LD50Median Lethal Dose for 50% of subjects

WGK Water hazard class

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: LIMITATION AND MONITORING OF EXPOSURE/PERSONAL PROTECTIVE EQUIPMENT

TWA	TWA (time weighted average)	STEL	STEL (Short Term Exposure Limit, value for Short-term exposure)
Limit value	Maximum limit value	*	Skin determination

Classification procedure

Calculation method

Expert judgment and determination of probative value

Transfer principle "Essentially similar mixtures"

Relevant literature references and sources for the data used to prepare the safety data sheet

Guideline values for acute exposure (Acute Exposure Guideline Level(s), AEGL(s))

Agency for Toxic Substances and Disease Registry (ATSDR)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
EPA (Environmental Protection Agency)
European Chemicals Agency
European Food Safety Authority (EFSA) Food Research
Journal Database of hazardous substances
International Uniform Chemical Information Database (IUCLID) Japanese GHS classification
National Library of Medicine ChemID Plus (NLM, CIP) National Library of Medicine's PubMed database (NLM PUBMED) National Toxicology Program (NTP)
New Zealand's database for classification and information on chemicals (CCID)
NIOSH (National Institute for Occupational Safety and Health) Organization for Economic Co-operation and Development (Organization for Economic Co-operation and Development, OECD) Environment, Health, and Safety Publications (publications in the field of health and safety) Organization for Economic Co-operation and Development (Organization for Economic Co-operation and Development, OECD) High Production Volume Chemicals Program Organization for Economic Co-operation and Development (OECD) Screening Information Data Set (SIDS)
RTECS (Registry of Toxic Effects of Chemical Substances, database of toxicological information on substances potentially hazardous to the environment)
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

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Note on revision SDS sections updated, 11.

Training instructions None special. The required information can be found in this safety data sheet included.

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

Disclaimer

The information provided in this safety data sheet is correct to the best of our knowledge at the date of publication. The information is intended only as a guide for safe handling, use, processing, storage, transportation, disposal and spillage and does not constitute a warranty or quality specification. This information relates only to the material explicitly specified and may not be valid for use with other materials or other processes for such material unless specified in the text.

End of the safety data sheet