

## Acinol 142 S

Revision date 14-Apr-2016

Supersedes date 04-Sep-2015

Version 1.03

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

#### 1.1. Product identifier

Product name Acinol 142 S

#### 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

##### Manufacturer

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

For further information, please contact  
info@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

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

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

##### Classification according to Directive 67/548/EEC or 1999/45/EC

R phrases This mixture is classified as not hazardous according to regulation 1999/45/EC

#### 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**

No information available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****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 Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Zinc naphthenate	234-409-2	12001-85-3	<1.2	N; R51/53	Aquatic Chronic 2 (H411)	no data available

**Ingredient comments**

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

**Full text of R-phrases: see section 16****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 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 CO2, 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.

#### **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.

**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>	yellow-brown
<b>Odor threshold</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**Property****Values****Remarks • Method**

<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**

**Density**  $< 1000$  kg/m<sup>3</sup> @ 25 °C / 77 °F

## 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>	5073 mg/kg
<b>Dermal LD50</b>	4845 mg/kg

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Zinc naphthenate	= 4920 mg/kg ( Rat )		

### **Product Information**

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

<b>Inhalation</b>	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.

Chemical name	Algae/aquatic plants	Fish	Toxicity to daphnia and other aquatic invertebrates
Zinc naphthenate		1.53 - 2: 96 h <i>Lepomis macrochirus</i> ppm LC50	4.6: 48 h <i>Daphnia magna</i> ppm EC50

### 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 EWC / 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>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	Complies

**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**

**Full text of R-phrases referred to under sections 2 and 3**

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Full text of H-Statements referred to under sections 2 and 3**

H411 - Toxic to aquatic life with long lasting effects

**Revision date** 14-Apr-2016

**Revision note** SDS sections updated, 2, 3, 11, 12, 16.

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

**End of Safety Data Sheet**