Safety Data Sheet

According to Regulation (EU) 2015/830 (REACH)

Acinol 140 EP Green (us)

Revision date 25-Sep-2017 **Version** 1

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

1.1. Product identifier

Product name Acinol 140 EP Green (us)

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 Americas, LLC
150 Russell Crutcher Rd
Rosedale, MS 38769
United States
(662) 759-6808

For further information, please contact
info@axelch.com

1.4. Emergency telephone number

Emergency telephone +46 (0) 303 332500 during working hours
ChemTel 1-800-255-3924

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]

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

EUH208 - Contains (Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl). 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

3.2. 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
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl	931-384-6	UNKNOWN	<0.25	Eye Dam. 1 (H318) Skin Sens. 1B (H317) Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)	01-2119493620-38

Ingredient comments
This product is a lithium 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 vapors.

Skin contact Wash with soap and water.

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

Ingestion 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. 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 No information available.

(PNEC)

8.2. Exposure controls

Engineering controls None under normal processing.

Personal protective equipment

Hand protection Wear protective nitrile rubber gloves. Thickness ≥ 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

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

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

9.2. Other information

Density < 1000 kg/m³ @ 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

Acute toxicity Not hazardous based on component data.

Skin corrosion/irritation Not hazardous based on component data.

Serious eye damage/eye irritation Not hazardous based on component data.

Sensitization Not hazardous based on component data.

Germ cell mutagenicity Not hazardous based on component data.

Carcinogenicity Not hazardous based on component data.

Reproductive toxicity Not hazardous based on component data.

STOT-single exposure Not hazardous based on component data.

STOT-repeated exposure Not hazardous based on component data.

Aspiration hazard Not hazardous based on component data.

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

Oral LD50 6877 mg/kg
Dermal LD50 3988 mg/kg

Chemical name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Reaction products of 4-methyl-2-pentanol and	= 2000 mg/kg (Rat)		

diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl			

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.

Eye contact Not expected to cause eye irritation.

Skin contact Prolonged contact may cause redness and irritation.

Ingestion 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
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14-tert-alkyl		8.5: 96 h Pimephales promelas mg/L LC50	91.4: 48 h Daphnia magna mg/L 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 Disposal should be in accordance with applicable regional, national and local laws and

products	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

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	-
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies
NZIoC	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 H-Statements referred to under section 3
H318 - Causes serious eye damage
H317 - May cause an allergic skin reaction
H302 - Harmful if swallowed
H411 - Toxic to aquatic life with long lasting effects

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	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 25-Sep-2017

Revision note Not applicable.

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

End of Safety Data Sheet