



SAFETY DATA SHEET



ANDEROL 95 HV-EP-1

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ANDEROL 95 HV-EP-1

Product Use Description: Lubricant

Company:

Manufacturer

Anderol Specialty Lubricants, a division of Chemtura Corporation
Groot Egtenrayseweg 23
5928 PA Venlo
Netherlands

Telephone: +31-77 396 0340

Supplier

Anderol Specialty Lubricants, a division of Chemtura Corporation
215 Merry Lane
East Hanover, NJ
07936
United States of America

Telephone: 973-887-7410

Emergency telephone
number:

CHEMTREC: (24 hours) 800-424-9300

:

Chemtura Corporation Emergency Response: CHEMTURA : 800-292-5898

For additional emergency telephone numbers see section 16 of the Safety
Data Sheet.

Prepared by

Product Safety Department
(US) +1 866-430-2775

MSDSRequest@chemtura.com

Recommended use of the chemical and restrictions on use

Recommended use : Lubricant

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

Form	paste
Odour	oily

GHS Classification

Eye irritation : Category 2A
Skin sensitisation : Category 1

GHS Label element


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Signal word : **Warning**

Hazard pictograms : 

Hazard statements : H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Other hazards : None

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Self-ignitable : No data available

Carcinogenicity:

IARC

Group 3: Not classifiable as to its carcinogenicity to humans
Distillates (petroleum), 64742-52-5
hydrotreated heavy
naphthenic

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	>= 30 - < 50 %
Residual oils (petroleum), solvent-refined	64742-01-4	>= 20 - < 30 %
Residual oils (petroleum), solvent deasphalted	64741-95-3	>= 10 - < 20 %
calcium carbonate	471-34-1	>= 5 - < 10 %
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	>= 5 - < 10 %
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	68584-23-6	>= 1 - < 5 %
calcium dodecylbenzenesulphonate	26264-06-2	>= 1 - < 5 %
Sulfonic acids, petroleum, calcium salts	61789-86-4	>= 1 - < 5 %
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0	>= 1 - < 5 %

SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.
If breathing is difficult, give oxygen.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with warm water and soap.
If skin irritation persists, call a physician.
Cool skin rapidly with cold water after contact with molten material.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately.
- If swallowed : Do NOT induce vomiting.
Obtain medical attention.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : irritant effects
Sensitisation
- Notes to physician : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : (on small fires)
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Extinguishing media - large fires
Water mist
Foam

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- Unsuitable extinguishing media : Water spray jet
- Specific hazards during firefighting : Burning produces irritant fumes.
Exposure to decomposition products may be a hazard to health.
- Specific extinguishing methods : Cool containers/tanks with water spray.
- Special protective equipment for firefighters : Self-contained breathing apparatus with full face-piece operated in positive pressure mode.
Body covering protective clothing, full "turn-out" gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.
- Environmental precautions : Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Wear suitable protective equipment.
Avoid contact with skin, eyes and clothing.
Keep tightly closed.
Protect from contamination.
- Conditions for safe storage : Keep tightly closed in a dry, cool and well-ventilated place.
- Materials to avoid : Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Distillates (petroleum), solvent-	64741-88-4	TWA (Mist)	5 mg/m3	OSHA Z-1

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refined heavy paraffinic				
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Residual oils (petroleum), solvent-refined	64742-01-4	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0
Residual oils (petroleum), solvent deasphalted	64741-95-3	TWA (Inhalable fraction)	5 mg/m3	ACGIH
calcium carbonate	471-34-1	TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA P0

Engineering measures

: Effective exhaust ventilation system
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection

: No personal respiratory protective equipment normally required.
In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hand protection

Remarks

: Neoprene gloves When handling hot material, use heat resistant gloves.

Eye protection

: Tightly fitting safety goggles

Skin and body protection

: impervious clothing

Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: paste
Odor	: oily
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Evaporation rate	: Not applicable
Flash point	: Not applicable
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: < 0.0008 hPa (20 °C)
Relative vapour density	: Not applicable
Relative density	: 0.95 - 1.05 (25 °C)
Density	: 0.95 - 1.05 g/cm ³ (25 °C)
<u>Solubility(ies)</u>	
Water solubility	: negligible
Solubility in other solvents	: partly soluble Solvent: Organic solvents
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable

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SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Contamination Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Sulphur oxides Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product)	: Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity (Product)	: Remarks: Not classified due to lack of data.
Skin irritation calcium carbonate (Component)	: Species: Rabbit Result: No skin irritation
calcium dodecylbenzenesulphonate (Component)	: Species: Rabbit Result: Skin irritation Exposure time: 4 h Remarks: Information given is based on data obtained from similar substances.
Eye irritation calcium carbonate (Component)	: Species: Rabbit Result: No eye irritation
calcium dodecylbenzenesulphonate (Component)	: Species: Rabbit Result: Risk of serious damage to eyes. Remarks: Information given is based on data obtained from similar substances.
Sensitisation Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	: Result: Probability or evidence of low to moderate skin sensitisation rate in humans

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- (Component)
Sulfonic acids, petroleum,
calcium salts (Component) : Result: Probability or evidence of low to moderate skin sensitisation rate
in humans
- Benzenesulfonic acid, mono-
C16-24-alkyl derivs., calcium
salts (Component) : Result: Probability or evidence of low to moderate skin sensitisation rate
in humans
- Reproductive toxicity
calcium carbonate
(Component) : Species: Rat
Application Route: Oral
- Aspiration toxicity (Product) : No aspiration toxicity classification
- CMR effects
calcium carbonate
(Component) : Teratogenicity: No effects on or via lactation
Reproductive toxicity: No toxicity to reproduction
- Further information (Product) : The product itself has not been tested.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish (Product) : Remarks:
No data available

Toxicity to daphnia and other aquatic invertebrates

- calcium
dodecylbenzenesulphonate
(Component) : EC50: 2.5 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202
Remarks:
Information given is based on data obtained from similar substances.
- Sulfonic acids, petroleum,
calcium salts (Component) : EC50: > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202
- Toxicity to algae
Sulfonic acids, petroleum, : EbC50: > 100 mg/l

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calcium salts (Component)

Exposure time: 72 h
Species: Green algae (*Scenedesmus subspicatus*)
static test Analytical monitoring: no
Method: OECD Test Guideline 201

ErC50: > 100 mg/l
Species: Green algae (*Scenedesmus subspicatus*)
static test Analytical monitoring: no
Method: OECD Test Guideline 201

Elimination information (persistence and degradability)

Bioaccumulation (Product) : Remarks:
No data available

Mobility (Product) : Remarks:
No data available

Biodegradability (Product) : Result: No data available

Further information on ecology

Ecotoxicology Assessment

Results of PBT assessment (Product)

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

Additional ecological information (Product) : This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : In accordance with local and national regulations.
Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

ADR

Not dangerous goods

RID

Not dangerous goods

MERCOSUR

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Not dangerous goods

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Acute Health Hazard

US State Regulations

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

US.TSCA

On TSCA Inventory

DSL

All components of this product are on the Canadian DSL.

AICS

On the inventory, or in compliance with the inventory

NZIoC

On the inventory, or in compliance with the inventory

ENCS

Not in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory

PICCS

On the inventory, or in compliance with the inventory

IECSC

On the inventory, or in compliance with the inventory

CH INV

The formulation contains substances listed on the Swiss Inventory

SECTION 16. OTHER INFORMATION

Further information

Other Emergency Phone Number

<u>Latin America:</u>	Brazil	+55 113 711 9144
	All other countries	+44 (0) 1235 239 670
<u>Mexico:</u>		+52 555 004 8763



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