



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ANDEROL 86 EP-2

Product Use Description: Lubricant

Company:

Manufacturer

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

Telephone: +1 203-573-4596, Toll Free: +1 888-263-3765

Email:
Emergency telephone
number:

msdsrequest@chemtura.com
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 : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

Form	paste
Colour	brown
Odour	mild hydrocarbon-like

GHS Classification

Eye irritation : Category 2A

ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

Skin sensitisation : Category 1

GHS Label element

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

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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.



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	≥ 50 - < 70 %
Residual oils (petroleum), solvent-refined	64742-01-4	≥ 10 - < 20 %
NJTS# 136411-5553P Calcium salt		≥ 5 - < 10 %
NJTS: 136411-5558P Sulfomate		≥ 1 - < 5 %
calcium dodecylbenzenesulphonate	26264-06-2	≥ 1 - < 5 %
NJTS: 136411-5414P		≥ 1 - < 5 %
NJTS: 136411-5412P		≥ 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



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

- 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.
Ensure adequate ventilation.
- 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.
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-refined heavy paraffinic	64741-88-4	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	ACGIH



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

		(Inhalable fraction)		
		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
NJTS# 136411-5553P Calcium salt		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total)	10 mg/m3	NIOSH REL

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

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
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.
Use only with adequate ventilation.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Color : brown

Odor : mild hydrocarbon-like

Odour Threshold : No data available

pH : No data available



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

Drop point : 260 °C
Method: No information available.

Boiling point/boiling range : No data available

Evaporation rate : Not applicable

Flash point : > 180 °C
Method: open cup

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/cm³ (25 °C)

Solubility(ies)

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

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.



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

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
calcium
dodecylbenzenesulphonate
(Component) : LD50: > 4,199 mg/kg
Species: Rabbit
Remarks: Information given is based on data obtained from similar substances.

NJTS: 136411-5414P
(Component) : LD50: > 4,000 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

NJTS: 136411-5412P
(Component) : LD50: > 2,000 mg/kg
Species: Rat
Method: OECD Test Guideline 402

Skin irritation
NJTS# 136411-5553P
Calcium salt (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 (Product) : Remarks: Irritating to eyes.

Sensitisation
NJTS: 136411-5558P
Sulfomate (Component) : Result: Probability or evidence of low to moderate skin sensitisation rate in humans

NJTS: 136411-5414P
(Component) : Result: Probability or evidence of low to moderate skin sensitisation rate in humans

NJTS: 136411-5412P
(Component) : Result: Probability or evidence of low to moderate skin sensitisation rate in humans



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

Repeated dose toxicity (Product) : This information is not available.

Reproductive toxicity
NJTS# 136411-5553P : Species: Rat
Calcium salt (Component) Application Route: Oral

Aspiration toxicity (Product) : No aspiration toxicity classification

CMR effects
NJTS# 136411-5553P : Teratogenicity: No effects on or via lactation
Calcium salt (Component) Reproductive toxicity: No toxicity to reproduction

Further information (Product) : The product itself has not been tested.
: No evidence of harmful effects from available information.

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.

NJTS: 136411-5414P (Component) : EC50: > 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
static test Method: OECD Test Guideline 202

Toxicity to algae
NJTS: 136411-5414P (Component) : EbC50: > 100 mg/l
Exposure time: 72 h
Species: Green algae (Scenedesmus subspicatus)



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

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) : The product itself has not been tested.

(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



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

Not dangerous goods

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
calcium dodecylbenzenesulphonate	26264-06-2	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

On the inventory, or in compliance with the inventory

KECI

On the inventory, or in compliance with the inventory



SAFETY DATA SHEET



ANDEROL 86 EP-2

Version: 1.3

Revision Date: 01/08/2015

Print Date: 04/21/2015

PICCS
IECSC

On the inventory, or in compliance with the inventory

On the inventory, or in compliance with the 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

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.