

## ANDEROL FGCS-2

Version: 1.2

Revision Date: 01/08/2015

Print Date: 06/23/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: ANDEROL FGCS-2

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 : For industrial use only.

### SECTION 2. HAZARDS IDENTIFICATION

Form	paste
Colour	tan
Odour	mild hydrocarbon-like

#### GHS Classification

Eye irritation : Category 2A

Skin sensitisation : Category 1

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**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.

**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 probable, possible or confirmed human carcinogen by IARC.

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.  
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**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.

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.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
Petroleum products		>= 10 - < 20 %
NJTS# 136411-5553P Calcium salt		>= 5 - < 10 %
NJTS: 136411-5558P Sulfomate		>= 1 - < 5 %
calcium dodecylbenzenesulphonate	26264-06-2	>= 1 - < 5 %
NJTS-46728100000-0001		>= 1 - < 5 %
NJTS: 136411-5414P		>= 1 - < 5 %
NJTS: 136411-5412P		>= 1 - < 5 %

### SECTION 4. FIRST AID MEASURES

- If inhaled : Remove to fresh air.  
Aspiration may cause pulmonary oedema and pneumonitis.  
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.
  
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,  
for at least 15 minutes.  
Obtain medical attention.
  
- If swallowed : 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

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Dry sand  
Extinguishing media - large fires  
Foam  
Water mist

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
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 : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

### 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 : Scrape up. Pick up and transfer to properly labelled containers.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin, eyes and clothing.  
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.  
Protect from contamination.

Materials to avoid : Oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

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Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Petroleum products		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** : Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with combination filter for vapour/particulate (EN 141).

Hand protection  
Remarks : Impervious gloves

Eye protection : Safety glasses with side-shields  
or  
Tightly fitting safety goggles

Skin and body protection : impervious clothing

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : paste

Color : tan

Odor : mild hydrocarbon-like

Melting point/range :  
No data available

Boiling point/boiling range : No data available

Flash point : > 180 °C  
Method: open cup

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Upper explosion limit : No data available  
Lower explosion limit : No data available  
Relative density : 0.95 - 1.05 (25 °C)

### Solubility(ies)

Water solubility : negligible  
Solubility in other solvents : partly soluble  
Partition coefficient: n-  
octanol/water : No data available  
Auto-ignition temperature : not determined

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous  
reactions : Hazardous polymerisation does not occur.  
Conditions to avoid : Contamination  
Incompatible materials : Oxidizing agents  
Hazardous decomposition  
products : Carbon oxides  
Sulphur oxides  
Oxides of calcium

## SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Product) : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method  
Acute dermal toxicity  
calcium : LD50: > 4,199 mg/kg  
dodecylbenzenesulphonate : Species: Rabbit  
(Component) : Remarks: Information given is based on data obtained from similar  
substances.  
NJTS-46728100000-0001 : LD50: > 2,000 mg/kg  
(Component) : Species: Rat  
NJTS: 136411-5414P : LD50: > 4,000 mg/kg

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(Component)	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.
NJTS-46728100000-0001 (Component)	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404
Eye irritation (Product)	: Result: Irritating to eyes.
Sensitisation NJTS: 136411-5558P Sulfomate (Component)	: Result: Probability or evidence of low to moderate skin sensitisation rate in humans
NJTS-46728100000-0001 (Component)	: Species: Guinea pig Classification: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406
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
Reproductive toxicity NJTS# 136411-5553P Calcium salt (Component)	: Species: Rat Application Route: Oral
Aspiration toxicity (Product)	: No aspiration toxicity classification
CMR effects NJTS# 136411-5553P Calcium salt (Component)	: Teratogenicity: No effects on or via lactation Reproductive toxicity: No toxicity to reproduction

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NJTS-46728100000-0001 : Mutagenicity: Not mutagenic in Ames Test.  
(Component)

Further information (Product) : There is no data available for this product.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish (Product) : Remarks:  
No data is available on the product itself.

Toxicity to daphnia and other : Remarks:  
aquatic invertebrates : No data is available on the product itself.  
(Product)

Toxicity to algae  
NJTS-46728100000-0001 : EbC50: > 100 mg/l  
(Component) : Exposure time: 72 h  
Species: *Desmodesmus subspicatus* (green algae)  
Method: OECD Test Guideline 201

NJTS: 136411-5414P : EbC50: > 100 mg/l  
(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)



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This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
Additional ecological information (Product) : There is no data available for this product.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : In accordance with local and national regulations.

### SECTION 14. TRANSPORT INFORMATION

#### ADR

Not dangerous goods

#### RID

Not dangerous goods

#### MERCOSUR

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

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reproductive harm.

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

<b>US.TSCA</b> <b>DSL</b> <b>AICS</b> <b>NZIoC</b> <b>ENCS</b> <b>KECI</b> <b>PICCS</b> <b>IECSC</b> <b>CH INV</b>	On TSCA Inventory All components of this product are on the Canadian DSL. On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory The formulation contains substances listed on the Swiss Inventory
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### 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.