

# SAFETY DATA SHEET

## ADDITIN RC 4202 (M 42.008)



Version 1.0      Revision Date: 10/24/2018      SDS Number: 103000014584      Date of previous issue: 11/29/2017  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : ADDITIN RC 4202 (M 42.008)  
Material number : 57554193  
Recommended use : Additive for lubricants

#### Manufacturer or supplier's details

Supplier : LANXESS Corporation  
Product Safety & Regulatory Affairs  
111 RIDC Park West Drive  
PittsburghPA 15275-1112  
USA  
Telephone : +1800LANXESS  
+14128091000 (international)  
Emergency telephone : CHEMTREC (800) 424 9300  
International (703) 527 3887  
Lanxess Emergency Phone (800) 410-3063


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage : Category 1  
Skin sensitization : Category 1  
Specific target organ system-ic toxicity - single exposure : Category 3 (Respiratory system)

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger  
Hazard Statements : May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause respiratory irritation.

Precautionary Statements : **Prevention:**  
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.

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Wear protective gloves/ eye protection/ face protection.

**Response:**

IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.

**Additional Labeling**

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 4 %

**Hazard Not Otherwise Classified (HNOC)**

None known.

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Benzenesulfonic acid, di-C10-18-alkyl derivs., calcium salts	93820-57-6	>= 20 - < 30
Distillates, petroleum, hydrotreated light naphthenic	64742-53-6	>= 10 - < 20
Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched	69011-36-5	>= 5 - < 10
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 5 - < 10
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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### SECTION 4. FIRST AID MEASURES

If inhaled : Get medical attention.  
Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
If unconscious, place in recovery position and get medical attention immediately.

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Maintain open airway.  
Loosen tight clothing such as a collar, tie, belt or waistband.  
If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

- In case of skin contact : Get medical attention immediately.  
Wash off with soap and water.  
In case of contact, immediately flush skin with plenty of water for at least 30 minutes.  
Wash contaminated clothing thoroughly with water before removing it, or wear gloves.  
Remove contaminated clothing and shoes.  
Continue to rinse for at least 10 minutes.  
In the event of any complaints or symptoms, avoid further exposure.  
Wash clothing before reuse.
- In case of eye contact : Get medical attention immediately.  
Immediately flush eye(s) with plenty of water.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Continue to rinse for at least 10 minutes.  
In case of contact, immediately flush eyes with plenty of water for at least 30 minutes.  
Chemical burns must be treated promptly by a physician.
- If swallowed : Get medical attention.  
Rinse mouth with water.  
Do not induce vomiting unless directed to do by medical personnel.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

### Most important symptoms and effects, both acute and delayed

- Symptoms : Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.  
Skin: Causes irritation with symptoms of reddening, itching, and swelling.  
Once sensitized, an allergic skin reaction may occur with reddening, swelling, and rash when subsequently exposed to very low levels.  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
- Effects : May cause an allergic skin reaction.  
Causes serious eye damage.  
May cause respiratory irritation.
- Notes to physician : Treat symptomatically.

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## SECTION 5. FIRE-FIGHTING MEASURES

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- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In case of fire, use water spray (fog), foam or dry chemical.
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : In a fire or if heated, a pressure increase will occur and the container may burst.  
Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.  
Water runoff from fire fighting may be corrosive.  
This material increases the risk of fire and may aid combustion.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide
- Further information : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.  
No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : No action shall be taken involving any personal risk or without suitable training.  
Put on appropriate personal protection equipment.  
Do not touch or walk through spilled material.  
Evacuate personnel to safe areas.  
Keep unnecessary and unprotected personnel from entering.  
In case of inadequate ventilation wear respiratory protection.
- Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so.  
Move containers from spill area.  
Wash spillages into an effluent treatment plant or proceed as follows.  
Keep people away from and upwind of spill/leak.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Dispose of wastes in an approved waste disposal facility.  
Do not allow into the sewerage system, surface waters or
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groundwater or into the soil.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not breathe vapors or spray mist.  
Use only with adequate ventilation.  
Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.  
Empty containers retain product residue; observe all precautions for product.  
Do not re-use empty containers.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Workers should wash hands and face before eating, drinking and smoking.  
Put on appropriate personal protection equipment.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Persons with a history of skin sensitization to this product should not be employed in any process in which this product is used.
- Conditions for safe storage : Store in accordance with local regulations.  
Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.  
Keep container closed when not in use.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.  
Do not store in unlabeled containers.  
Use appropriate container to avoid environmental contamination.
- Further information on storage stability : No decomposition if stored and applied as directed.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates, petroleum, hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH
Distillates (petroleum), hy-	64742-55-8	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1

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drotreated light paraffinic				
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
		ST (Mist)	10 mg/m3	NIOSH REL
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5 mg/m3	ACGIH

**Engineering measures** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal protective equipment**

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
 Recommended:  
 A NIOSH approved air purifying respirator with organic vapor cartridges and particulate prefilter can be used to minimize exposure.

**Hand protection**  
**Material** : Use chemical-resistant, impervious gloves.

**Material** : PVC  
**Wearing time** : < 60 min

**Eye protection** : Tightly fitting safety goggles  
 If inhalation hazards exist, a full-face respirator may be required instead.

**Skin and body protection** : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
 Appropriate techniques should be used to remove potentially contaminated clothing.  
 Wash contaminated clothing before reusing.  
 Ensure that eyewash stations and safety showers are close

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to the workstation location.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Color	:	dark, brown
Odor	:	characteristic
Odor Threshold	:	No data available
pH	:	7.5 - 8.5
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	356 °F (180 °C) Method: DIN ISO 2592, closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Self-ignition	:	Autoignition temperature Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	0.94 g/cm <sup>3</sup> (68 °F (20 °C))
Solubility(ies)	:	
Water solubility	:	slightly soluble
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	

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Viscosity, kinematic                   : 400 cSt (104 °F (40 °C))  
Explosive properties                    : No data available  
Oxidizing properties                    : No data available

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### 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   : Under normal conditions of storage and use, hazardous reactions will not occur.  
Conditions to avoid                     : No data available  
Incompatible materials                 : No specific data.  
Hazardous decomposition products   : No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

The most important known symptoms and effects are described in Section 2 and/or Section 4.

#### **Acute toxicity**

Not classified based on available information.

#### **Product:**

Acute inhalation toxicity               : Acute toxicity estimate: 103.96 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity                    : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

#### **Components:**

##### **Distillates, petroleum, hydrotreated light naphthenic:**

Acute oral toxicity                      : LD50 Oral (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity               : LC50 (Rat, male and female): > 5.53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

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Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402

**Poly(oxy-1,2-ethanediyl),  $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Dosage caused no mortality

Acute dermal toxicity : LD50 (Rat): 5,960 mg/kg

**Distillates (petroleum), hydrotreated light paraffinic:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

**Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5.53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Highest producible concentration.

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

Not classified based on available information.

**Components:**

**Distillates, petroleum, hydrotreated light naphthenic:**

Species: Rabbit  
Result: No skin irritation

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### **Serious eye damage/eye irritation**

Causes serious eye damage.

#### **Product:**

Remarks: May cause irreversible eye damage.

#### **Components:**

##### **Distillates, petroleum, hydrotreated light naphthenic:**

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405

##### **Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched:**

Species: Rabbit  
Result: Risk of serious damage to eyes.  
Method: OECD Test Guideline 405

### **Respiratory or skin sensitization**

#### **Skin sensitization**

May cause an allergic skin reaction.

#### **Respiratory sensitization**

Not classified based on available information.

#### **Components:**

##### **Benzenesulfonic acid, di-C10-18-alkyl derivs., calcium salts:**

Result: The product is a skin sensitiser, sub-category 1B.

##### **Distillates, petroleum, hydrotreated light naphthenic:**

Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitization on laboratory animals.

##### **Distillates (petroleum), hydrotreated light paraffinic:**

Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitization on laboratory animals.  
GLP: yes

### **Germ cell mutagenicity**

Not classified based on available information.

#### **Components:**

##### **Distillates (petroleum), hydrotreated light paraffinic:**

Genotoxicity in vitro : Test system: Mammalian-Animal

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Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes

Test system: Mammalian-Animal  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes

Test system: Bacteria  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: positive

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

#### **Distillates, petroleum, hydrotreated light naphthenic:**

Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

#### **Distillates (petroleum), hydrotreated light paraffinic:**

Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

#### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

Carcinogenicity - Assessment : Classified based on DMSO extract content < 3% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note L)

### **IARC**

No ingredient 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 on OSHA's list of regulated carcinogens.

### **NTP**

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

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **Distillates (petroleum), hydrotreated light paraffinic:**

Effects on fertility : Species: Rat, male and female  
Application Route: Oral

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Dose:  $\geq$  1000 milligram per kilogram  
Duration of Single Treatment: 2.5 yr  
General Toxicity F1: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
GLP: yes

Effects on fetal development : Species: Rat, female  
Application Route: Dermal  
Dose: 125 milligram per kilogram  
Duration of Single Treatment: 18 d  
General Toxicity Maternal: LOAEL: 125 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

Species: Rat, female  
Application Route: Dermal  
Dose:  $\geq$  2000 milligram per kilogram  
Duration of Single Treatment: 18 d  
Teratogenicity: NOAEL:  $\geq$  2,000 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: yes

### **STOT-single exposure**

May cause respiratory irritation.

#### **Components:**

##### **Distillates, petroleum, hydrotreated light naphthenic:**

Assessment: May cause respiratory irritation.

##### **Distillates (petroleum), hydrotreated light paraffinic:**

Assessment: May cause respiratory irritation.

##### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

Assessment: May cause respiratory irritation.

### **STOT-repeated exposure**

Not classified based on available information.

#### **Repeated dose toxicity**

#### **Components:**

##### **Distillates (petroleum), hydrotreated light paraffinic:**

Species: Rat, male  
LOAEL: 125 mg/kg  
Application Route: Oral  
Exposure time: 90 d  
Number of exposures: 5 days/week  
Dose: 125 mg/kg  
Method: OECD Test Guideline 408  
Remarks: Subchronic toxicity

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Species: Rabbit, male and female  
NOAEL: 1,000 mg/kg  
Application Route: Skin contact  
Exposure time: 28 d  
Dose: 1000 mg/kg  
Method: OECD Test Guideline 410  
GLP: yes  
Remarks: Subacute toxicity

Species: Rat, male and female  
NOAEL: > 980 mg/m<sup>3</sup>  
Application Route: Inhalation  
Test atmosphere: dust/mist  
Exposure time: 28 d  
Dose: > 980 mg/m<sup>3</sup>  
GLP: no  
Remarks: Subacute toxicity

### **Aspiration toxicity**

Not classified based on available information.

### **Components:**

#### **Distillates, petroleum, hydrotreated light naphthenic:**

May be fatal if swallowed and enters airways.

#### **Distillates (petroleum), hydrotreated light paraffinic:**

May be fatal if swallowed and enters airways.

#### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### **Further information**

#### **Product:**

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **Components:**

#### **Distillates, petroleum, hydrotreated light naphthenic:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### **Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 1 - < 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - < 10 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (algae): > 1 - < 10 mg/l  
Exposure time: 72 h

EC20 (Desmodesmus subspicatus (green algae)): 0.356 mg/l  
Exposure time: 72 h  
Method: QSAR

EC20 (Desmodesmus subspicatus (green algae)): 0.979 mg/l  
Exposure time: 72 h  
Method: QSAR

Toxicity to fish (Chronic toxicity) : EC20 (Pimephales promelas (fathead minnow)): 1.097 mg/l  
Exposure time: 30 d  
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia): 2.5 mg/l  
Exposure time: 21 d

EC20 (Daphnia magna (Water flea)): 0.74 mg/l  
Exposure time: 21 d  
Method: QSAR

### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

### **Distillates (petroleum), hydrotreated light paraffinic:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

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Remarks: Fresh water

Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (microalgae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Fresh water

Toxicity to fish (Chronic toxicity) : NOAEL (No observed adverse effect level) (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l  
Exposure time: 14 d  
Method: QSAR  
GLP: yes  
Remarks: Fresh water

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: Fresh water

### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : NOEC (Pseudokirchneriella subcapitata (microalgae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 10 mg/l  
Exposure time: 21 Days  
Method: OECD Test Guideline 211

### **Persistence and degradability**

#### **Components:**

#### **Distillates, petroleum, hydrotreated light naphthenic:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 31 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

#### **Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 60 %

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Exposure time: 28 d  
Method: OECD Test Guideline 301B

### **Distillates (petroleum), hydrotreated light paraffinic:**

Biodegradability : aerobic  
Result: Not readily biodegradable.  
Biodegradation: 2 - 4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
GLP: yes

### **Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:**

Biodegradability : Result: Not readily biodegradable.

### **Bioaccumulative potential**

#### **Components:**

#### **Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched:**

Partition coefficient: n-octanol/water : log Pow: 4.9  
Method: OECD Test Guideline 107

#### **Mobility in soil**

No data available

#### **Other adverse effects**

#### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.

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## **SECTION 13. DISPOSAL CONSIDERATIONS**

RCRA - Resource Conservation and Recovery Authorization Act : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Disposal methods : The generation of waste should be avoided or minimized wherever possible.  
This material and its container must be disposed of in a safe way.  
Empty containers retain product residue; observe all precautions for product.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.  
Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.



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### SECTION 14. TRANSPORT INFORMATION

#### Domestic regulation

##### DOT

Not regulated as a dangerous good

#### International Regulations

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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### SECTION 15. REGULATORY INFORMATION

#### CERCLA

None

#### Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Serious eye damage or eye irritation  
Respiratory or skin sensitization  
Specific target organ toxicity (single or repeated exposure)

#### 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

##### Massachusetts Right To Know

Distillates, petroleum, hydrotreated light naph- thenic	64742-53-6	10 - 20
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	5 - 10
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	1 - 5
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	1 - 5
Distillates, petroleum, solvent-refined light naph- thenic	64741-97-5	0.5 - 1.5

##### Pennsylvania Right To Know

Calcium lanolate	68424-44-2	10 - 30
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Benzenesulfonic acid, di-C10-18-alkyl derivs., calcium salts	93820-57-6	20 - 30
Distillates, petroleum, hydrotreated light naphthenic	64742-53-6	10 - 20
Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched	69011-36-5	5 - 10
Petrolatum (petroleum), oxidized, calcium salt	68425-34-3	5 - 10
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	5 - 10
Benzenesulfonic acid, C12-18-alkyl derivs., sodium salts	70892-46-5	3 - 7
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0	1 - 5
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	72623-87-1	1 - 5

### California Prop. 65

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

### TSCA inventory

TSCA : On TSCA Inventory

### TSCA list

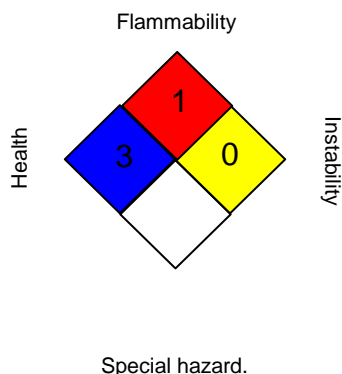
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

# SAFETY DATA SHEET

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Revision Date : 10/24/2018

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of our knowledge. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. We assume no legal responsibility for use of or reliance upon the information in this SDS.