

# SAFETY DATA SHEET

## ADDITIN RC 3770



Version 2.0      Revision Date: 12/05/2020      SDS Number: 103000010554      Date of previous issue: 05/18/2018  
Country / Language: US / EN

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### SECTION 1. IDENTIFICATION

Product name : ADDITIN RC 3770  
Material number : 57587072  
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).

Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Specific target organ toxicity : Category 3 (Respiratory system)  
- single exposure

#### GHS label elements

Hazard pictograms :   
Signal Word : Danger  
Hazard Statements : Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause respiratory irritation.

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### Precautionary Statements

#### Prevention:

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.

#### Response:

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
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.  
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.

### Hazard Not Otherwise Classified (HNOC)

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : AMINE NEUTRALIZED PHOSPHORIC-ACID ESTER, in mineral oil

### Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Amines, C12-14-tert-alkyl, compds. with 9-octadecen-1-ol-sulfur polymer dihydrogen phosphate	144468-70-2	>= 50 - < 70
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 10 - < 20
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 5 - < 10

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Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0	>= 1 - < 5
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified	64741-96-4	>= 1 - < 5

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

### SECTION 4. FIRST AID MEASURES

- If inhaled : 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.  
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 : Wash off immediately with plenty of water.  
Remove contaminated clothing and shoes.  
Continue to rinse for at least 20 minutes.  
Wash contaminated clothing before reuse.  
Chemical burns must be treated promptly by a physician.
- In case of eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  
Remove contact lenses.  
Continue to rinse for at least 20 minutes.  
Chemical burns must be treated promptly by a physician.
- If swallowed : Rinse mouth with water.  
Do not induce vomiting. Drink water. Call physician immediately.  
If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.  
If unconscious, place in recovery position and get medical attention immediately.  
Maintain open airway.  
Loosen tight clothing such as a collar, tie, belt or waistband.

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

- Symptoms : Eye: Corrosive with symptoms of reddening, tearing, swelling, burning and possible permanent damage.  
Skin: Reddening, burning, and possible permanent damage.  
May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.

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Effects : Symptoms of ingestion may include abdominal pain, nausea, vomiting, and diarrhea.  
: Harmful if swallowed.  
: Causes serious eye damage.  
: May cause respiratory irritation.  
: Causes severe burns.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : No special actions required.  
: Treat symptomatically.

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### SECTION 5. FIRE-FIGHTING MEASURES

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.

Specific hazards during fire fighting : In a fire or if heated, a pressure increase will occur and the container may burst.  
: Cool closed containers exposed to fire with water spray.  
: Do not allow run-off from fire fighting to enter drains or water courses.

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 : Wear self-contained breathing apparatus for firefighting if necessary.

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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.  
: Evacuate personnel to safe areas.  
: Keep unnecessary and unprotected personnel from entering.  
: Do not touch or walk through spilled material.  
: Use personal protective equipment.

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- 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.  
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 groundwater or into the soil.

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### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid inhalation, ingestion and contact with skin and eyes.  
Use only with adequate ventilation/personal protection.  
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.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- 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 containers sealed until ready for use.  
Containers which are 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.

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### 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/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH REL
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0	ST (Mist)	10 mg/m3	NIOSH REL
		TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified	64741-96-4	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	5 mg/m3	ACGIH
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil — unspecified	72623-87-1	TWA (Mist)	5 mg/m3	OSHA Z-1
		TWA (Inhalable particulate matter)	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.

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### 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:  
NIOSH approved, air-purifying organic vapor respirator.

Hand protection  
Material                                :    Nitrile rubber  
Wearing time                         :    < 60 min

Remarks                                :    Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection                        :    Tightly fitting safety goggles

Skin and body protection            :    Wear suitable protective clothing.

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 to the workstation location.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state                         :    liquid  
Color                                     :    light brown  
Odor                                        :    characteristic  
Odor Threshold                         :    No data available  
pH                                         :    Not applicable  
Melting point/freezing point        :    No data available  
Boiling point/boiling range         :    No data available  
Flash point                              :    284 °F (140 °C)  
Method: closed cup

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Evaporation rate : No data available

Flammability (solid, gas) : No data available

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 : 0.95 g/cm<sup>3</sup> (68 °F (20 °C))

Solubility(ies)  
Water solubility : insoluble

Partition coefficient: n-octanol/water : No data available

Ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, kinematic : 3000 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 specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Extremes of temperature and direct sunlight.

Incompatible materials : Reducing agents  
Oxidizing agents

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Acids and bases

Hazardous decomposition products : No data available

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### SECTION 11. TOXICOLOGICAL INFORMATION

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

#### Information on likely routes of exposure

Inhalation  
Eye contact  
Skin contact  
Ingestion

#### Acute toxicity

Harmful if swallowed.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 852.46 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 200 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute toxicity (other routes of administration) : Remarks: Test results on an analogous product

#### Components:

#### **Amines, C12-14-tert-alkyl, compds. with 9-octadecen-1-ol-sulfur polymer dihydrogen phosphate:**

Acute oral toxicity : LD50 (Rat): 1,000 - 2,000 mg/kg

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

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

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

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Method: OECD Test Guideline 403  
GLP: No information available.  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

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

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

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  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Test results on an analogous product

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; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

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: No information available.

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Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

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: No information available.  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Dosage caused no mortality  
Test results on an analogous product

### **Skin corrosion/irritation**

Causes severe burns.

#### **Product:**

Remarks: Extremely corrosive and destructive to tissue.

Result: Causes burns.

Remarks: In analogy to test results for similarly composed products.

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### **Components:**

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

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes  
Remarks: Test results on an analogous product

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

Species: Rabbit  
Method: Draize Test  
Result: No skin irritation  
GLP: yes  
Remarks: Test results on an analogous product

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

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes  
Remarks: Test results on an analogous product

#### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes  
Remarks: Test results on an analogous product

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

Causes serious eye damage.

### **Product:**

Result: Irreversible effects on the eye  
Remarks: \* In analogy to test results for a similarly composed product.

### **Components:**

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

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

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Remarks: Test results on an analogous product

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

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: Test results on an analogous product

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

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: Test results on an analogous product

### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405  
GLP: yes  
Remarks: Test results on an analogous product

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### **Components:**

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

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

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

Test Type: Buehler Test  
Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406

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Result: Did not cause sensitization on laboratory animals.  
GLP: yes  
Remarks: Test results on an analogous product

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

Test Type: Buehler Test  
Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitization on laboratory animals.  
GLP: yes  
Remarks: Test results on an analogous product

### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Test Type: Buehler Test  
Routes of exposure: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitization on laboratory animals.  
GLP: yes  
Remarks: Test results on an analogous product

### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

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

Genotoxicity in vitro : Test Type: Ames test  
Test system: TA98  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: equivocal  
GLP: No information available.  
Remarks: Positive and negative results

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: no

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: equivocal

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GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative  
GLP: No information available.  
Remarks: Test results on an analogous product

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

Genotoxicity in vitro : Test Type: Ames test  
Test system: TA98  
Metabolic activation: with metabolic activation  
Method: OECD Test Guideline 471  
Result: Conflicting results have been seen in different studies.  
Remarks: In analogy to test results for similarly composed products.

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: no  
Remarks: Test results on an analogous product

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes  
Remarks: Test results on an analogous product

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative  
GLP: No information available.  
Remarks: Test results on an analogous product

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

Genotoxicity in vitro : Test Type: Ames test  
Test system: TA98  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471

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Result: equivocal  
GLP: No information available.  
Remarks: Positive and negative results

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: no  
Remarks: Test results on an analogous product

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: equivocal  
GLP: yes  
Remarks: Positive and negative results

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative  
GLP: No information available.  
Remarks: Test results on an analogous product

**Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: TA98  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: Conflicting results have been seen in different studies.  
GLP: No information available.  
Remarks: Positive and negative results

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: no  
Remarks: Test results on an analogous product

Test Type: In vitro mammalian cell gene mutation test  
Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476



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Result: Conflicting results have been seen in different studies.  
GLP: yes  
Remarks: Positive and negative results

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Intraperitoneal  
Method: OECD Test Guideline 474  
Result: negative  
GLP: No information available.  
Remarks: Test results on an analogous product

### **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:**

Species: Mouse, (female)  
Application Route: Dermal  
Exposure time: 78 weeks  
Method: OECD Test Guideline 451  
Result: negative  
GLP: No information available.  
Remarks: Test results on an analogous product

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

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

#### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

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

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by NTP.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

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

Effects on fertility : Test Type: Fertility/early embryonic development  
Species: Rat, male and female  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
General Toxicity Parent: NOAEL:  $\geq$  1,000 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,000 mg/kg body weight  
Early Embryonic Development: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
Result: No effects on fertility and early embryonic development were detected.  
GLP: yes  
Remarks: Test results on an analogous product

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

Effects on fertility : Test Type: Fertility/early embryonic development  
Species: Rat, male and female  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
General Toxicity Parent: NOAEL:  $\geq$  1,000 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
Result: No effects on fertility and early embryonic development were detected.  
GLP: yes  
Remarks: Test results on an analogous product

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat, female  
Application Route: Dermal  
Dose: 125 - 500 - 2000 milligram per kilogram  
General Toxicity Maternal: LOAEL: 125 mg/kg body weight  
Teratogenicity: NOAEL:  $\geq$  2,000 mg/kg body weight  
Developmental Toxicity: NOAEL:  $\geq$  2,000 mg/kg body weight  
Method: OECD Test Guideline 414  
Result: negative  
GLP: yes  
Remarks: Test results on an analogous product

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

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Effects on fertility : Test Type: Fertility/early embryonic development  
Species: Rat, male and female  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
General Toxicity Parent: NOAEL:  $\geq$  1,000 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,000 mg/kg body weight  
Early Embryonic Development: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
Result: No effects on fertility and early embryonic development were detected.  
GLP: yes  
Remarks: Test results on an analogous product

**Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Effects on fertility : Test Type: Fertility/early embryonic development  
Species: Rat, male and female  
Application Route: Oral  
Dose: 1000 milligram per kilogram  
General Toxicity Parent: NOAEL:  $\geq$  1,000 mg/kg body weight  
Fertility: NOAEL:  $\geq$  1,000 mg/kg body weight  
Early Embryonic Development: NOAEL:  $\geq$  1,000 mg/kg body weight  
Method: OECD Test Guideline 421  
Result: No effects on fertility and early embryonic development were detected.  
GLP: yes  
Remarks: Test results on an analogous product

**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; Baseoil — unspecified:**

Assessment: May cause respiratory irritation.

**Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Assessment: May cause respiratory irritation.

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### **STOT-repeated exposure**

Not classified based on available information.

### **Repeated dose toxicity**

#### **Components:**

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

Species: Rat, male  
LOAEL: 125 mg/kg  
Application Route: Oral  
Exposure time: 90 d  
Number of exposures: daily  
Dose: 125 - 500 mg/kg bw/d  
Method: OECD Test Guideline 408  
GLP: No information available.  
Remarks: Test results on an analogous product

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

Species: Rat, male  
LOAEL: 125 mg/kg  
Application Route: Oral  
Exposure time: 90 d  
Dose: 125 - 500 mg/kg bw/d  
Method: OECD Test Guideline 408  
GLP: No information available.  
Remarks: Subchronic toxicity  
Test results on an analogous product

Species: Rat, male and female  
NOAEL: > 980 mg/m<sup>3</sup>  
Application Route: Inhalation  
Test atmosphere: dust/mist  
Exposure time: 28 d  
Dose: 50 - 220 - 980 mg/m<sup>3</sup>  
Method: OECD Test Guideline 412  
GLP: No information available.  
Remarks: Subacute toxicity  
Test results on an analogous product

Species: Rabbit, male and female  
NOAEL: 1,000 mg/kg  
Application Route: Skin contact  
Exposure time: 28 d  
Dose: 200 - 1000 - 2000 mg/kg bw/d  
Method: OECD Test Guideline 410  
GLP: yes  
Remarks: Subacute toxicity  
Test results on an analogous product

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

Species: Rat, male  
LOAEL: 125 mg/kg  
Application Route: Oral  
Exposure time: 90 d  
Number of exposures: daily  
Dose: 125 - 500 mg/kg bw/d  
Method: OECD Test Guideline 408  
GLP: No information available.  
Remarks: Test results on an analogous product

### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Species: Rat, male  
LOAEL: 125 mg/kg  
Application Route: Oral  
Exposure time: 90 d  
Number of exposures: daily  
Dose: 125 - 500 mg/kg bw/d  
Method: OECD Test Guideline 408  
GLP: No information available.  
Remarks: Test results on an analogous product

### **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; Baseoil — unspecified:**

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.

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Components:

##### **Amines, C12-14-tert-alkyl, compds. with 9-octadecen-1-ol-sulfur polymer dihydrogen phosphate:**

Toxicity to fish                                : LC50: > 1 - 10 mg/l  
Exposure time: 96 h

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

Toxicity to fish                                : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: water extractable fraction

Toxicity to daphnia and other                : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
aquatic invertebrates                        Exposure time: 48 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: water extractable fraction

Toxicity to algae                                : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100  
mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product

NOELR (Pseudokirchneriella subcapitata (green algae)): >  
100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product

Toxicity to daphnia and other                : NOELR (Daphnia magna (Water flea)): 10 mg/l  
aquatic invertebrates (Chron-                End point: Reproduction

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ic toxicity)      Exposure time: 21 d  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: water extractable fraction

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

Toxicity to fish      :    LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: water extractable fraction

Toxicity to daphnia and other aquatic invertebrates      :    EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Analytical monitoring: no  
Method: OECD Test Guideline 202  
GLP: no  
Remarks: water extractable fraction

Toxicity to algae      :    EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: no  
Remarks: water extractable fraction

NOEC (Pseudokirchneriella subcapitata (microalgae)): >= 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: no  
Method: OECD Test Guideline 201  
GLP: no  
Remarks: water extractable fraction

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)      :    NOELR (Daphnia magna (Water flea)): 10 mg/l  
End point: Reproduction  
Exposure time: 21 d  
Analytical monitoring: no  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: water extractable fraction

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

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- Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 203  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product
- Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product
- NOELR (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR (Daphnia magna (Water flea)): 10 mg/l  
End point: Reproduction  
Exposure time: 21 d  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product

**Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

- Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Analytical monitoring: yes
-



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Method: OECD Test Guideline 203  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Analytical monitoring: yes  
Method: OECD Test Guideline 202  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product

Toxicity to algae : EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product

NOELR (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 201  
GLP: No information available.  
Remarks: water extractable fraction  
Test results on an analogous product

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOELR (Daphnia magna (Water flea)): 10 mg/l  
End point: Reproduction  
Exposure time: 21 d  
Analytical monitoring: No information available.  
Method: OECD Test Guideline 211  
GLP: yes  
Remarks: water extractable fraction  
Test results on an analogous product

### Persistence and degradability

#### Components:

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

Biodegradability : Result: Not readily biodegradable.

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

Biodegradability                   : 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; Baseoil — unspecified:**

Biodegradability                   : Result: Not readily biodegradable.

### **Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified:**

Biodegradability                   : Result: Not readily biodegradable.

### **Bioaccumulative potential**

No data available

### **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.  
Toxic to aquatic life with long lasting effects.

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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

UN/ID/NA number : UN 1760  
Proper shipping name : Corrosive liquids, n.o.s.  
(AMINE NEUTRALIZED PHOSPHORIC- ACID ESTER)  
Class : 8  
Packing group : II  
Labels : 8



Marine pollutant : yes



Further information for transport : The U.S. DOT regulations in Appendix B to 49 CFR § 172.101, paragraph 4 permit this material to ship as marine pollutant.

#### International Regulations

##### IATA-DGR

UN/ID No. : UN 1760  
Proper shipping name : Corrosive liquid, n.o.s.  
(AMINE NEUTRALIZED PHOSPHORIC- ACID ESTER)  
Class : 8  
Packing group : II  
Labels : 8



Packing instruction (cargo aircraft) : 855: 30.00 L  
Packing instruction (passenger aircraft) : 851: 1.00 L  
Environmentally hazardous : yes

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### IMDG-Code

UN number : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(AMINE NEUTRALIZED PHOSPHORIC- ACID ESTER)  
Class : 8  
Packing group : II  
Labels : 8



Marine pollutant : yes



### 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** : Acute toxicity (any route of exposure)  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
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.

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### US State Regulations

#### Massachusetts Right To Know

Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 10 - < 20
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 5 - < 10
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0	>= 1 - < 5
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified	64741-96-4	>= 1 - < 5
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil — unspecified	72623-87-1	>= 1 - < 5

#### Massachusetts Right To Know

Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified	64741-96-4
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil — unspecified	72623-87-1

#### Pennsylvania Right To Know

Amines, C12-14-tert-alkyl, compds. with 9-octadecen-1-ol-sulfur polymer dihydrogen phosphate	144468-70-2	>= 50 - < 70
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	>= 10 - < 20
Proprietary sulfur hydrocarbon	Trade Secret	>= 10 - < 20
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 5 - < 10
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0	>= 1 - < 5
Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil — unspecified	64741-96-4	>= 1 - < 5
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil — unspecified	72623-87-1	>= 1 - < 5

#### Pennsylvania Right To Know

Amines, C12-14-tert-alkyl, compds. with 9-octadecen-1-ol-sulfur polymer dihydrogen phosphate	144468-70-2
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Proprietary sulfur hydrocarbon	Trade Secret
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified	72623-86-0

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Distillates (petroleum), solvent-refined heavy naph- 64741-96-4  
thenic; Baseoil — unspecified  
Lubricating oils (petroleum), C20-50, hydrotreated 72623-87-1  
neutral oil-based; Baseoil — unspecified

### 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

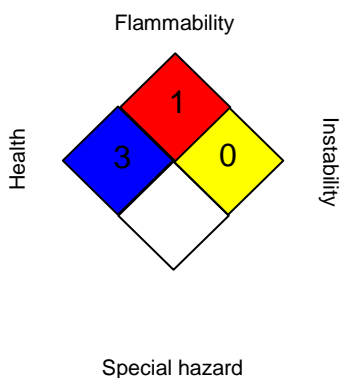
No substances are subject to a Significant New Use Rule.

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.

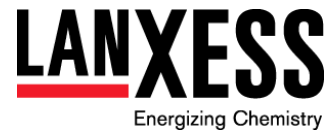
LANXESS' method of hazard communication is comprised of Product Labels and Safety Data Sheets. HMIS and NFPA ratings are provided by LANXESS as a customer service.

Revision Date : 12/05/2020

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

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