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### **SYNGEAR 75W/140**

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### **SECTION 1. IDENTIFICATION**

Product name SYNGEAR 75W/140

Article-No. 340317

### Manufacturer or supplier's details

Klüber Lubrication NA LP Company name of supplier

> 9010 County Road 2120 Tyler, Texas 75707

USA

Phone: +1 903 534 8021 Fax: +1 903 581 4376

32 Industrial Drive Londonderry, NH 03053

**USA** 

Phone: +1 603 647 4104 Fax: +1 603 647 4106

E-mail address of person

responsible for the SDS

mcm@us.kluber.com

Emergency telephone

number

+1 517 545 7070 NCEC

### Recommended use of the chemical and restrictions on use

Recommended use Lubricating oil

Restricted to professional users. Restrictions on use

### **SECTION 2. HAZARDS IDENTIFICATION**

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

Not a hazardous substance or mixture.

## **GHS** label elements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Other hazards

None known.



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### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Synthetic hydrocarbon oil

ester oil

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Polysulfides, di-tert-Bu	68937-96-2	Trade secret (>= 1 - < 5)
Amines, C12-14-alkyl, reaction	91745-46-9	Trade secret (>= 1 - < 5)
products with hexanol, phosphorus		
oxide (P2O5), phosphorus sulfide		
(P2S5) and propylene oxide		
Distillates (petroleum), hydrotreated	64742-55-8	Trade secret (>= 1 - < 5)
light paraffinic		
(1 // )	64742-54-7	Trade secret (>= 1 - < 5)
heavy paraffinic		

Actual concentration is withheld as a trade secret

### **SECTION 4. FIRST AID MEASURES**

If inhaled : Remove person to fresh air. If signs/symptoms continue, get

medical attention.

Keep patient warm and at rest.

If unconscious, place in recovery position and seek medical

advice.

Keep respiratory tract clear.

If breathing is irregular or stopped, administer artificial

respiration.

In case of skin contact : Remove contaminated clothing. If irritation develops, get

medical attention.

In case of contact, immediately flush skin with plenty of water.

Wash clothing before reuse.

Thoroughly clean shoes before reuse.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 10 minutes.

If eye irritation persists, consult a specialist.

If swallowed : Move the victim to fresh air.

If accidentally swallowed obtain immediate medical attention. If unconscious, place in recovery position and seek medical

advice.

Keep respiratory tract clear. Do NOT induce vomiting.





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Rinse mouth with water.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and

delayed

No symptoms known or expected.

None known.

Notes to physician Treat symptomatically.

### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or

carbon dioxide.

Unsuitable extinguishing

media

High volume water jet

Hazardous combustion

products

Carbon oxides

Nitrogen oxides (NOx)

Sulphur oxides

Oxides of phosphorus

Further information Standard procedure for chemical fires.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Special protective equipment

for firefighters

In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment.

Exposure to decomposition products may be a hazard to

health.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment.

Ensure adequate ventilation.

Refer to protective measures listed in sections 7 and 8.

Do not allow contact with soil, surface or ground water. **Environmental precautions** 

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for containment and cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

local / national regulations (see section 13).



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### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid inhalation of vapour or mist.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Wash hands and face before breaks and immediately after

handling the product.

Do not ingest. Do not repack.

Do not re-use empty containers.

These safety instructions also apply to empty packaging which

may still contain product residues. Keep container closed when not in use.

Conditions for safe storage : Store in original container.

Keep container closed when not in use. Keep in a dry, cool and well-ventilated place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

Store in accordance with the particular national regulations.

Keep in properly labelled containers.

### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
Distillates (petroleum), solvent- dewaxed heavy paraffinic	64742-65-0	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)



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		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
Distillates (petroleum), solvent- dewaxed light paraffinic	64742-56-9	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)

Engineering measures : none

### Personal protective equipment

Respiratory protection : Not required; except in case of aerosol formation.

Filter type : Filter type A-P

Hand protection

Material : Nitrile rubber
Break through time : > 10 min
Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. The

break through time depends amongst other things on the material, the thickness and the type of glove and therefore

has to be measured for each case.



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Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to

the specific work-place.

Protective measures : The type of protective equipment must be selected according

to the concentration and amount of the dangerous substance

at the specific workplace.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after

handling.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : yellow

Odour : slight, sulphurous

Odour Threshold : No data available

pH : Not applicable

substance/mixture is non-soluble (in water)

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point :  $>= 399 \, ^{\circ}\text{F} / 204 \, ^{\circ}\text{C}$ 

Method: open cup

Evaporation rate : No data available

Flammability (solid, gas) : Not applicable

Self-ignition : No data available

Upper explosion limit / Upper

flammability limit

No data available

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Lower explosion limit / Lower : No data available

flammability limit

< 0.001 hPa (68 °F / 20 °C) Vapour pressure

Relative vapour density No data available

Relative density 0.876 (68 °F / 20 °C)

> Reference substance: Water The value is calculated

No data available Bulk density

Solubility(ies)

Water solubility insoluble

Solubility in other solvents No data available

Partition coefficient: n-

octanol/water

No data available

No data available Auto-ignition temperature

Decomposition temperature No data available

Viscosity

Viscosity, dynamic No data available

183.9 mm2/s (104 °F / 40 °C) Viscosity, kinematic

Explosive properties Not explosive

Oxidizing properties No data available

Sublimation point No data available

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity No hazards to be specially mentioned.

Chemical stability Stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid No conditions to be specially mentioned.

Incompatible materials No materials to be especially mentioned.



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Hazardous decomposition

products

: No decomposition if stored and applied as directed.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

### **Acute toxicity**

**Product:** 

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg

Method: Calculation method

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity : Remarks: This information is not available.

**Components:** 

Polysulfides, di-tert-Bu:

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

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral

toxicity

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

Method: OECD Test Guideline 402

Assessment: The substance or mixture has no acute dermal

toxicity

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg

Assessment: The component/mixture is moderately toxic after

single ingestion.

Distillates (petroleum), hydrotreated light paraffinic:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

GLP: yes

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

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

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Method: OECD Test Guideline 402

GLP: yes

distillates (petroleum), hydrotreated heavy paraffinic:

Acute oral toxicity LD50 (Rat): > 5,000 mg/kg

Method: OECD Test Guideline 401

LC50 (Rat): > 5.53 mg/l Acute inhalation toxicity

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute

inhalation toxicity

Acute dermal toxicity LD50 (Rabbit): > 5,000 mg/kg

Method: OECD Test Guideline 402

Skin corrosion/irritation

**Product:** 

Remarks This information is not available.

**Components:** 

Polysulfides, di-tert-Bu:

**Species** Rabbit

Assessment No skin irritation

Method **OECD Test Guideline 404** 

Result No skin irritation

**GLP** yes

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

**Species** Rabbit

Assessment No skin irritation

**OECD Test Guideline 404** Method

Result No skin irritation

**GLP** yes

Distillates (petroleum), hydrotreated light paraffinic:

**Species** Rabbit

Assessment No skin irritation Result No skin irritation

**GLP** yes

distillates (petroleum), hydrotreated heavy paraffinic:

**Species** Rabbit

Assessment No skin irritation

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Method : OECD Test Guideline 404

Result : No skin irritation

GLP : yes

### Serious eye damage/eye irritation

**Product:** 

Remarks : This information is not available.

### Components:

### Polysulfides, di-tert-Bu:

Species : Rabbit

Result : No eye irritation
Assessment : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

# Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Species : Rabbit

Result : Irritating to eyes.
Assessment : Irritating to eyes.

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

Species : Rabbit

Result : No eye irritation

Exposure time : 48 h

Assessment : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

### distillates (petroleum), hydrotreated heavy paraffinic:

Species : Rabbit

Result : No eye irritation
Assessment : No eye irritation

Method : OECD Test Guideline 405

GLP : yes

### Respiratory or skin sensitisation

Product:

Remarks : This information is not available.

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### **Components:**

### Polysulfides, di-tert-Bu:

Test Type : Maximisation Test

Species : Guinea pig

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

Method : OECD Test Guideline 406

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

GLP : yes

# Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

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

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

Test Type : Buehler Test Species : Guinea pig

Assessment : Did not cause sensitisation on laboratory animals.

Method : OECD Test Guideline 406

Result : Did not cause sensitisation on laboratory animals.

GLP : no

### distillates (petroleum), hydrotreated heavy paraffinic:

Species : Guinea pig

Assessment : Does not cause skin sensitisation.

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

GLP : ves

### Germ cell mutagenicity

### **Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

### Components:

### Polysulfides, di-tert-Bu:

Genotoxicity in vitro : Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

# Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Germ cell mutagenicity - : Tests on bacterial or mammalian cell cultures did not show

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Assessment mutagenic effects.

Distillates (petroleum), hydrotreated light paraffinic:

Germ cell mutagenicity - : Tests on bacterial or mammalian cell cultures did not show

Assessment mutagenic effects.

distillates (petroleum), hydrotreated heavy paraffinic:

Germ cell mutagenicity - : Tests on bacterial or mammalian cell cultures did not show

Assessment mutagenic effects.

Carcinogenicity

**Product:** 

Remarks : No data available

**Components:** 

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5),

phosphorus sulfide (P2S5) and propylene oxide:

Carcinogenicity - : Not classifiable as a human carcinogen.

Assessment

Distillates (petroleum), hydrotreated light paraffinic:

Carcinogenicity - : No evidence of carcinogenicity in animal studies.

Assessment

distillates (petroleum), hydrotreated heavy paraffinic:

Carcinogenicity - : Not classifiable as a human carcinogen.

Assessment

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.

**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 component 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

**Product:** 

Effects on fertility : Remarks: No data available

Effects on foetal : Remarks: No data available

development

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**Components:** 

Polysulfides, di-tert-Bu:

Reproductive toxicity - : - Fertility -

Assessment No evidence of adverse effects on sexual function and fertility,

or on development, based on animal experiments.

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Reproductive toxicity - : - Fertility -

Assessment No toxicity to reproduction

- Teratogenicity -

No toxicity to reproduction

Distillates (petroleum), hydrotreated light paraffinic:

Reproductive toxicity - : - Fertility -

Assessment No toxicity to reproduction

- Teratogenicity -

No effects on or via lactation

distillates (petroleum), hydrotreated heavy paraffinic:

Reproductive toxicity - : - Fertility -

Assessment No toxicity to reproduction

STOT - single exposure

**Product:** 

Remarks : No data available

**Components:** 

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, single exposure.

STOT - repeated exposure

**Product:** 

Remarks : No data available

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### **Components:**

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Assessment : The substance or mixture is not classified as specific target

organ toxicant, repeated exposure.

Repeated dose toxicity

**Product:** 

Remarks : This information is not available.

**Components:** 

Polysulfides, di-tert-Bu:

Repeated dose toxicity -

Assessment

: No adverse effect has been observed in chronic toxicity tests.

**Aspiration toxicity** 

**Product:** 

This information is not available.

Components:

Distillates (petroleum), hydrotreated light paraffinic:

May be fatal if swallowed and enters airways.

distillates (petroleum), hydrotreated heavy paraffinic:

May be fatal if swallowed and enters airways.

**Further information** 

**Product:** 

Remarks : Information given is based on data on the components and

the toxicology of similar products.

### **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

**Product:** 

Toxicity to fish

Remarks: Harmful to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

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Toxicity to daphnia and other :

aquatic invertebrates Remarks: No data available

Toxicity to algae/aquatic

plants Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

**Components:** 

Polysulfides, di-tert-Bu:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 0.088 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other :

aquatic invertebrates

EL50 (Daphnia magna (Water flea)): 63 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

EL50 (Pseudokirchneriella subcapitata (green algae)): > 100

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 8.5 mg/l

Exposure time: 96 h
Test Type: static test

Method: OECD Test Guideline 203

GLP: yes

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 91.4 mg/l

Exposure time: 48 h Test Type: static test

GLP: yes

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC (Daphnia magna (Water flea)): 0.12 mg/l

Exposure time: 21 d

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Toxicity to microorganisms : EC50 (activated sludge): 2,433 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition Method: OECD Test Guideline 209

GLP: yes

distillates (petroleum), hydrotreated heavy paraffinic:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h Test Type: static test

Method: OECD Test Guideline 203

GLP: yes

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h
Test Type: Immobilization

Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae/aquatic

plants

NOEC (Pseudokirchneriella subcapitata (microalgae)): > 100

mg/l

Exposure time: 72 h Test Type: static test

Method: OECD Test Guideline 201

Toxicity to daphnia and other :

aquatic invertebrates

(Chronic toxicity)

NOELR (Daphnia magna (Water flea)): 10 mg/l

Exposure time: 21 d

Method: OECD Test Guideline 211

Remarks: No toxicity at the limit of solubility

Persistence and degradability

**Product:** 

Biodegradability : Remarks: No data available

Physico-chemical

removability

Remarks: No data available

**Components:** 

Polysulfides, di-tert-Bu:

Biodegradability : Result: Not rapidly biodegradable

Biodegradation: 13 % Exposure time: 28 d

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Method: OECD Test Guideline 301

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Biodegradability : Primary biodegradation

Inoculum: activated sludge Result: Not rapidly biodegradable

Biodegradation: 7.4 % Exposure time: 28 d

Method: OECD Test Guideline 301B

Distillates (petroleum), hydrotreated light paraffinic:

Biodegradability : Result: not rapidly degradable

Biodegradation: 31 % Exposure time: 28 d

distillates (petroleum), hydrotreated heavy paraffinic:

Biodegradability : aerobic

Inoculum: activated sludge Result: Not readily biodegradable.

Biodegradation: 3 % Exposure time: 28 d

Method: OECD Test Guideline 301B

GLP: yes

Bioaccumulative potential

**Product:** 

Bioaccumulation : Remarks: This mixture contains no substance considered to

be persistent, bioaccumulating and toxic (PBT).

This mixture contains no substance considered to be very

persistent and very bioaccumulating (vPvB).

**Components:** 

Polysulfides, di-tert-Bu:

Partition coefficient: n- : log Pow: 5.6 (68 °F / 20 °C)

octanol/water pH: 7

Method: OECD Test Guideline 117

GLP: yes



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Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Bioaccumulation Species: Oncorhynchus mykiss (rainbow trout)

Bioconcentration factor (BCF): 432

Exposure time: 35 d

Method: OECD Test Guideline 305

Partition coefficient: n-

octanol/water

log Pow: > 4

Distillates (petroleum), hydrotreated light paraffinic:

Partition coefficient: n-Pow: > 6

octanol/water Remarks: Information given is based on data obtained from

similar substances.

Mobility in soil

**Product:** 

Mobility Remarks: No data available

Distribution among

environmental compartments

Remarks: No data available

Other adverse effects

**Product:** 

Ozone-Depletion Potential Regulation: 40 CFR Protection of Environment: Part 82

Protection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: This product neither contains, nor was

manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +

B).

Additional ecological

information

Harmful to aquatic life with long lasting effects.

**Components:** 

Amines, C12-14-alkyl, reaction products with hexanol, phosphorus oxide (P2O5), phosphorus sulfide (P2S5) and propylene oxide:

Results of PBT and vPvB

: Non-classified PBT substance Non-classified vPvB substance

assessment

Distillates (petroleum), hydrotreated light paraffinic:

Results of PBT and vPvB Non-classified PBT substance Non-classified vPvB substance

- US



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### **SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water

courses or the soil.

Do not dispose of with domestic refuse.

Dispose of as hazardous waste in compliance with local and

national regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as

the unused product.

Dispose of waste product or used containers according to

local regulations.

### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

**UNRTDG** 

Not regulated as a dangerous good

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.

**National Regulations** 

**49 CFR** 

Not regulated as a dangerous good

Special precautions for user

Not applicable

### **SECTION 15. REGULATORY INFORMATION**

### 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 : Respiratory or skin sensitisation

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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.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

### California Prop. 65

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

#### 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**

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

ACGIH / TWA : 8-hour, time-weighted average

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

OSHA Z-1 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing

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Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration: NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration. Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature: SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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