

Page 1 of 7

REKLUSE FULL-SYN 10W-40

Version: 1.0

Released: 2019-04-03 Revision Date: 2019-04-03

1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

Supplier: Product Name: Rekluse Full-Syn 10W-40

Rekluse Racing LLC

12000 W Franklin Rd

Boise, ID 83709

USA

Applications: 4T Engine Oil

Article Number: RMS-1099001

+1 208 426 0659 **Emergency Telephone:** In USA: +1 703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification Not classified as hazardous in accordance with

OSHA Hazcom 2012

GHS Pictogram None
Signal Word None
Hazard Statements None

Precautionary Statements

Prevention None
Response None
Storage None
Disposal None

Other Hazards None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Synthetic base oil	75-90	Proprietary
Multifunctional Additive Package	10-20	Mixture
Zinc dialkyl dithiophosphate	<5	Proprietary

The specific identity and/or exact percentage has been withheld as a trade secret.



Page 2 of 7

REKLUSE FULL-SYN 10W-40

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4. FIRST-AID MEASURES

Inhalation If inhaled remove to fresh air. If irritation or difficulty in breathing occurs, get

medical attention.

Skin Contact Wash skin with soap and water. Remove clothing and shoes if contaminated.

Launder clothing before reuse. If irritation or rash develops, get medical

attention.

Flush eyes with water for several minutes. Remove contact lenses, if present **Eye Contact**

and easy to do so. If eye irritation persists, get medical attention.

Ingestion If conscious, rinse mouth with water. Do not induce vomiting unless directed

Immediate medical attention is not required.

my medical personnel. Never give anything by mouth to an unconscious

person. Get medical attention.

Most Important

Symptoms

Causes eye and skin irritation. May cause allergic skin reaction. Inhalation of

vapors or mists may cause respiratory irritation. Swallowing may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of

Immediate Medical Attention Needed

Notes to Physician Treat appropriately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing

Media

Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish

flames.

Specific Hazards

Arising From The

Chemical

This material will burn although it is not easily ignited. Combustion will

produce carbon oxides and unidentified organic compounds.

Special Protective

Equipment And

Precautions For Fire-

Fighters

Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact

containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear appropriate protective equipment. Wash thoroughly after handling.

See also: "Personal Protection "section 8.

Environmental Hazards Avoid release into the environment. Report spill as required by local and

federal regulations.



Page 3 of 7

REKLUSE FULL-SYN 10W-40

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Methods/Materials for

Cleaning up

Dike spill and collect with an inert absorbent. Place into closable containers for disposal. Collected material is handled in accordance with section 13

"Disposal Considerations".

7. HANDLING AND STORAGE

Precautions for Safe

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and

launder before re-use.

Conditions for Safe

Storage

Store in a cool area away from oxidizing agents. Protect containers from

physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Synthetic base oil 5 mg/m3 TWA OSHA PEL (as oil Mist)

5 mg/m3 TWA ACGIH TLV (inhalable)

Multifunctional Additive Package Zinc dialkyl dithiophosphate

None Established
None Established

Appropriate

Engineering Controls

Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive, increased mechanical

ventilation such as local exhaust may be required.

Personal Protection

Respiratory Protection:

None needed under normal use conditions with adequate ventilation. If exposure limits are exceeded, use a NIOSH approved respirator with organic

vapor cartridges and particulate pre-filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene

practice.

Eye Protection: Safety glasses or goggles recommended if splashing is possible.

Skin/Body Protection: If there is a potential for skin contact, wear a long sleeved shirt and apron.

Neoprene or nitrile rubber boots when necessary to avoid contaminating

shoes.

Hand Protection: Use nitrile or neoprene gloves recommended to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid



Page 4 of 7

REKLUSE FULL-SYN 10W-40

Version: 1.0

Released: 2019-04-03 Revision Date: 2019-04-03

Color Amber

Odor Slight petroleum odor **Odor Threshold** No data available Ηα No data available **Freezing Point** No data available **Boiling Point** No data available **Flash Point** No data available **Evaporation Rate** No data available Flammability (solid, gas) No data available **Upper Explosion Limit** No data available **Lower Explosion Limit** No data available **Vapor Pressure** <0.01 mmHg @ 100°F

Vapor Density (Air=1) >1

Relative Density 0.85-0.90 @ 15.6°C

Solubility Soluble in alcohols and hydrocarbons; insoluble in water

Partition Coefficient: n-

octanol/water

No data available

Auto Ignition No data available

Temperature

Decomposition No data available

Temperature

Volatile Organic 0%

Compounds (VOC)

Viscosity >20.5 cSt @ 40°C

10. STABILITY AND REACTIVITY

Reactivity Not expected to be reactive.

Chemical Stability Stable. **Possibility of Hazardous** None known.

Reactions

Conditions to Avoid None known.

Incompatible Materials Avoid contact with strong oxidizing agents.

Hazardous Decomposition Product Thermal decomposition may produce carbon oxides and

unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards

Eye Contact: Causes eye irritation with redness, tearing and pain.



Page 5 of 7

REKLUSE FULL-SYN 10W-40

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Skin Contact: May cause irritation. Prolonged skin contact may cause drying of the skin.

Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and

central nervous system effects including headache, dizziness and nausea.

Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and

diarrhea.

Chronic Effects of Overexposure: None known.

Sensitization: None of the components have been found to cause sensitization in animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects. **Carcinogenicity:** None of the components of this product are listed as a carcinogen or suspected

carcinogen by IARC, NTP, or OSHA.

Acute Toxicity:

Synthetic base oil Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg,

Inhalation rat LC50 >5 mg/L/4hr Oral rat LD50 >10,000 mg/kg

Multifunctional Additive

Package

Zinc dialkyl dithiophosphate Oral rat LD50 3100 mg/kg, Inhalation rat LC50 >2.3 mg/L/4 hr,

Dermal rabbit LD50 >2002 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Synthetic base oil 96 hr LL50 fish >100 mg/L, 48 hr EL50 daphnia magna >100 mg/L,

72 hr EL50 green algae >100 mg/L

Multifunctional Additive

Package

No data available

Zinc dialkyl dithiophosphate 96 hr LL50 Oncorhynchus mykiss 4.5 mg/kg, 48 hr EL50 daphnia

magna 23 mg/L, 72 hr EL50 21 mg/L

Biodegradation Hydrotreated paraffinic petroleum distillate and synthetic base oil are not

readily biodegradable

Bioaccumulation Hydrotreated paraffinic petroleum distillate and synthetic base oil have the

potential to bioaccumulate.

Mobility in soil No data available Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Disposal Dispose in accordance with all local, state and federal regulations.



Page 6 of 7

REKLUSE FULL-SYN 10W-40

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14. TRANSPORT INFORMATION

	UN	Proper shipping name	Hazard	Packing	Environmental
	Number		Class	Group	Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product

is transported only in packaged form **Special precautions:** None known.

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 Hazard Classification: Acute Health.

EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313:

Zinc Compounds Proprietary <3%

(Zinc dialkyl dithiophosphate)

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Inventories

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory

16. OTHER INFORMATION

NFPA Rating (NFPA 704): Health: 2 Fire: 1 Instability: 0 HMIS Rating: Health: 2 Fire: 1 Physical Hazard: 0

Date of Revision: February 6, 2019 Date of Previous Revision: N/A

Revision History:



Page 7 of 7

REKLUSE FULL-SYN 10W-40

Version: 1.0

Released: 2019-04-03 Revision Date: 2019-04-03

2/6/2019: New Document

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.





Page 1 of 7

REKLUSE FULL-SYN 20W-50

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Released: 2019-04-03 Revision Date: 2019-04-03

1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

Supplier: Product Name: Rekluse Full-Syn 20W-50

Rekluse Racing LLC

12000 W Franklin Rd

Boise, ID 83709

USA

+1 208 426 0659

Article Number: RMS-1099002 and RMS-1099003

Applications: 4T Engine Oil

Emergency Telephone: In USA: +1 703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification Not classified as hazardous in accordance with

OSHA Hazcom 2012

GHS Pictogram None Signal Word None Hazard Statements None

Precautionary Statements

Prevention None Response None Storage None Disposal None

Other Hazards None

3. COMPOSITION / INFORMATION ON INGREDIENTS

ComponentsContent %CAS NumberSynthetic base oil75-90ProprietaryMultifunctional Additive Package10-20MixtureZinc dialkyl dithiophosphate<5</td>Proprietary

The specific identity and/or exact percentage has been withheld as a trade secret.

4. FIRST-AID MEASURES







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Inhalation If inhaled remove to fresh air. If irritation or difficulty in breathing occurs, get

medical attention.

Skin Contact Wash skin with soap and water. Remove clothing and shoes if contaminated.

Launder clothing before reuse. If irritation or rash develops, get medical

Eye Contact Flush eyes with water for several minutes. Remove contact lenses, if present

and easy to do so. If eye irritation persists, get medical attention.

Ingestion If conscious, rinse mouth with water. Do not induce vomiting unless directed

Immediate medical attention is not required.

my medical personnel. Never give anything by mouth to an unconscious

person. Get medical attention.

Most Important

Symptoms

Causes eye and skin irritation. May cause allergic skin reaction. Inhalation of

vapors or mists may cause respiratory irritation. Swallowing may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of

Immediate Medical Attention Needed

Notes to Physician

Treat appropriately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing

Media

Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish

Specific Hazards

Arising From The

Chemical

Special Protective Equipment And

Precautions For Fire-

Fighters

This material will burn although it is not easily ignited. Combustion will produce carbon oxides and unidentified organic compounds.

Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact

containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear appropriate protective equipment. Wash thoroughly after handling.

See also: "Personal Protection "section 8.

Environmental Hazards Avoid release into the environment. Report spill as required by local and

federal regulations.

Methods/Materials for

Cleaning up

Dike spill and collect with an inert absorbent. Place into closable containers for disposal. Collected material is handled in accordance with section 13

"Disposal Considerations".



Page 3 of 7

REKLUSE FULL-SYN 20W-50

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7. HANDLING AND STORAGE

Precautions for Safe

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and

launder before re-use.

Conditions for Safe

Storage

Store in a cool area away from oxidizing agents. Protect containers from

physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Synthetic base oil 5 mg/m3 TWA OSHA PEL (as oil Mist)

5 mg/m3 TWA ACGIH TLV (inhalable)

Multifunctional Additive Package Zinc dialkyl dithiophosphate

None Established None Established

Appropriate

Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive, increased mechanical

ventilation such as local exhaust may be required.

Personal Protection

Engineering Controls

Respiratory

None needed under normal use conditions with adequate ventilation. If **Protection:** exposure limits are exceeded, use a NIOSH approved respirator with organic

vapor cartridges and particulate pre-filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene

practice.

Eye Protection: Safety glasses or goggles recommended if splashing is possible.

Skin/Body Protection: If there is a potential for skin contact, wear a long sleeved shirt and apron.

Neoprene or nitrile rubber boots when necessary to avoid contaminating

shoes.

Hand Protection: Use nitrile or neoprene gloves recommended to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid Color Amber

Odor Slight petroleum odor **Odor Threshold** No data available





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EKLUSE

Vapor Density (Air=1) >1

Relative Density 0.85-0.90 @ 15.6°C

Solubility Soluble in alcohols and hydrocarbons; insoluble in water

Partition Coefficient: n-

octanol/water

No data available

Auto Ignition No data available

Temperature

Decomposition No data available

Temperature

Volatile Organic 0%

Compounds (VOC)

Viscosity >20.5 cSt @ 40°C

10. STABILITY AND REACTIVITY

Reactivity Not expected to be reactive.

Chemical Stability Stable.

Possibility of Hazardous None known.

Reactions

Conditions to Avoid None known.

Incompatible Materials Avoid contact with strong oxidizing agents.

Hazardous Decomposition Product Thermal decomposition may produce carbon oxides and

unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards

Eye Contact: Causes eye irritation with redness, tearing and pain.

Skin Contact: May cause irritation. Prolonged skin contact may cause drying of the skin.

Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and

central nervous system effects including headache, dizziness and nausea.





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Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and

diarrhea.

Chronic Effects of Overexposure: None known.

Sensitization: None of the components have been found to cause sensitization in animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects. **Carcinogenicity:** None of the components of this product are listed as a carcinogen or suspected

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Multifunctional Additive

Package

Zinc dialkyl dithiophosphate Oral rat LD50 3100 mg/kg, Inhalation rat LC50 >2.3 mg/L/4 hr,

Dermal rabbit LD50 >2002 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Synthetic base oil 96 hr LL50 fish >100 mg/L, 48 hr EL50 daphnia magna >100 mg/L,

72 hr EL50 green algae >100 mg/L

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Package

No data available

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magna 23 mg/L, 72 hr EL50 21 mg/L

Biodegradation Hydrotreated paraffinic petroleum distillate and synthetic base oil are not

readily biodegradable

Bioaccumulation Hydrotreated paraffinic petroleum distillate and synthetic base oil have the

potential to bioaccumulate.

Mobility in soilNo data availableOther adverse effects:None known.

13. DISPOSAL CONSIDERATIONS

Disposal Dispose in accordance with all local, state and federal regulations.

14. TRANSPORT INFORMATION



Page 6 of 7

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Date of Revision: February 6, 2019 Date of Previous Revision: N/A

Revision History:

2/9/2019: New Document



Page 7 of 7

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