SAFETY DATA SHEET

RECTORSEAL® DARK CUTTING OIL

Low rpm machine thread cutting oil

Section 1 – Product and Company Information

Product Name
RectorSeal® Premium Thread Cutting Oil, Dark

Product Codes
93111, 93192, 93272, 93392, 94111, 94192, 94272, 94392

Chemical Family
Organic

Use
Cutting oil

Manufacturer's Name
The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of Validation
January 23, 2015

Date of Preparation
October 11, 2012

HMIS Codes

Health	1
Flammability	1
Reactivity	0
PPI	B

Emergency Telephone No.
Chemtrec 24 Hours
(800)-424-9300 USA
(703)-527-3887 International

Technical Service Telephone No.
(800)-231-3345 or (713)-263-8001

Section 2 – Hazards Identification

GHS CLASSIFICATION

Physical Hazards:
None

Health Hazards

Acute Toxicity:
Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: Not Classified
Serious Eye Damage/Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements



GHS08: Aspiration Toxicity/Health Hazard
Signal Word: **Warning**

Hazard statement(s)
H320 - Causes eye irritation.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statement(s)
P281 - Use personal protective equipment as required.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Summary Of Acute Hazards

None known.

Route Of Exposure, Signs And Symptoms

INHALATION
None known.

EYE CONTACT
Irritation, watering may occur.

SKIN CONTACT
None known.

INGESTION
May cause nausea and vomiting. Not expected to produce toxic effects.

SUMMARY OF CHRONIC HAZARDS
None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None known.

Section 3 – Composition/Information on Ingredients

Ingredient:	Base Oil
Percentage By Weight:	> 99
CAS Number:	64742-53-6
EC#:	265-156-6

Section 4 – First Aid Measures

If inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. If medical advice is needed, have product container or label at hand.
If on skin:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice. If medical advice is needed, have product container or label at hand.
If in eyes:	Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Seek immediate medical advice. If medical advice is needed, have product container or label at hand.
If swallowed:	Do not induce vomiting: seek medical advice immediately and show this container label. If swallowed, rinse mouth with water (only if the person is conscious). Drink plenty of water.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation:	Harmful by inhalation. Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Symptoms/injuries after skin contact:	Slightly irritating to skin. Prolonged/repetitive skin contact may cause skin defattening or dermatitis.
Symptoms/injuries after eye contact:	Slightly irritating to eyes.
Symptoms/injuries after ingestion:	Nausea.

Indication of any immediate medical attention and special treatment needed treat symptomatically.

Section 5 – Fire Fighting Measures

Extinguishing Media

Foam, dry chemical, carbon dioxide or water fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and other protective clothing.

Unusual Fire And Explosion Hazards: None known.

Section 6 – Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Keep people away. Wear chemical protective clothing. Sweep up and place in an appropriate chemical waste container for disposal.

Section 7 – Handling and Storage

Precautions To Be Taken In Handling And Storing: Keep container closed and upright when not in use.

Other Precautions: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full andobserve all products precautions. Do not reuse empty containers.

KEEP OUT OF REACH OF CHILDREN.

Section 8 – Exposure Controls/Personal Protection

Respiratory Protection (Specify Type): None required.

Ventilation – Local Exhaust: N/A

Special: N/A

Mechanical (General): N/A

Other: N/A

Protective Gloves: Wear rubber gloves.

Eye Protection: Safety glasses (ANSI Z-87.1 or equivalent)

Other Protective Clothing Or Equipment: Coveralls recommended.

Work/Hygienic Practices: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Boiling point:	> 500°F (260°C) @ 760 mmHg
Specific gravity (H20 = 1):	0.92
Vapor pressure (mmHg):	N/D
Melting point:	N/A
Vapor Density (Air = 1):	N/D
Evaporation rate (Ethyl Acetate = 1):	N/A
Appearance/Odor:	Amber/Mild petroleum odor
Solubility in water:	Insoluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	0% or (0 g/L)
Flash point:	> 284°F (140°C) SETA CC
Lower explosion limit:	N/D
Upper explosion limit:	N/D

Section 10 – Stability and Reactivity

Stability: Stable

Conditions To Avoid: None known.

Incompatibility (Materials To Avoid): None known.

Hazardous Decomposition Products: CO, CO_2 and fragmented hydrocarbons.

Hazardous Polymerization: Will not occur.

Section 11 – Toxicology Information

Chronic Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Toxicology Data

Ingredient Name

	Base Oil
Oral-Rat LD50:	N/D
Inhalation-Human LC50:	N/D

Section 12 – Ecological Information

Ecological Data

Ingredient Name:	**Base Oil**
Food Chain Concentration Potential	N/A
Waterfowl Toxicity	N/A
BOD	N/A
Aquatic Toxicity	N/A

Section 13 – Disposal Considerations

Waste Classification: Non-regulated waste oil

Disposal Method: Used oil recycler

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state, and local regulation regarding pollution.

Section 14 – Transportation Information

DOT:	Non-regulated
Ocean (IMDG):	Non-regulated
Air (IATA):	Non-regulated
WHMIS (Canada):	Non-regulated

Section 15 – Regulatory Information

Regulatory Data

Ingredient Name:	**Base Oil**
SARA 313	N/A
TSCA Inventory	All components listed
CERCLA RQ	N/A
RCRA Code	N/A

Section 16 – Other Information

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001

SAFETY DATA SHEET

RECTORSEAL® DARK CUTTING OIL

Low rpm machine thread cutting oil

Section 1 – Product and Company Information

Product Name
RectorSeal® Premium Thread Cutting Oil, Dark

Product Codes
93111, 93192, 93272, 93392, 94111, 94192, 94272, 94392

Chemical Family
Organic

Use
Cutting oil

Manufacturer's Name
The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of Validation
January 23, 2015

Date of Preparation
October 11, 2012

HMIS Codes

Health	1
Flammability	1
Reactivity	0
PPI	B

Emergency Telephone No.
Chemtrec 24 Hours
(800)-424-9300 USA
(703)-527-3887 International

Technical Service Telephone No.
(800)-231-3345 or (713)-263-8001

Section 2 – Hazards Identification

GHS CLASSIFICATION

Physical Hazards:
None

Health Hazards

Acute Toxicity:
Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: Not Classified
Serious Eye Damage/Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

GHS Label elements, including precautionary statements



GHS08: Aspiration Toxicity/Health Hazard
Signal Word: **Warning**

Hazard statement(s)
H320 - Causes eye irritation.
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statement(s)
P281 - Use personal protective equipment as required.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Summary Of Acute Hazards

None known.

Route Of Exposure, Signs And Symptoms

INHALATION
None known.

EYE CONTACT
Irritation, watering may occur.

SKIN CONTACT
None known.

INGESTION
May cause nausea and vomiting. Not expected to produce toxic effects.

SUMMARY OF CHRONIC HAZARDS
None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None known.

Section 3 – Composition/Information on Ingredients

Ingredient:	Base Oil
Percentage By Weight:	> 99
CAS Number:	64742-53-6
EC#:	265-156-6

Section 4 – First Aid Measures

If inhaled:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. If medical advice is needed, have product container or label at hand.
If on skin:	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice. If medical advice is needed, have product container or label at hand.
If in eyes:	Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Seek immediate medical advice. If medical advice is needed, have product container or label at hand.
If swallowed:	Do not induce vomiting: seek medical advice immediately and show this container label. If swallowed, rinse mouth with water (only if the person is conscious). Drink plenty of water.

Most important symptoms and effects, both acute and delayed:

Symptoms/injuries after inhalation:	Harmful by inhalation. Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Symptoms/injuries after skin contact:	Slightly irritating to skin. Prolonged/repetitive skin contact may cause skin defattening or dermatitis.
Symptoms/injuries after eye contact:	Slightly irritating to eyes.
Symptoms/injuries after ingestion:	Nausea.

Indication of any immediate medical attention and special treatment needed treat symptomatically.

Section 5 – Fire Fighting Measures

Extinguishing Media

Foam, dry chemical, carbon dioxide or water fog.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus (SCBA) and other protective clothing.

Unusual Fire And Explosion Hazards: None known.

Section 6 – Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Keep people away. Wear chemical protective clothing. Sweep up and place in an appropriate chemical waste container for disposal.

Section 7 – Handling and Storage

Precautions To Be Taken In Handling And Storing: Keep container closed and upright when not in use.

Other Precautions: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full andobserve all products precautions. Do not reuse empty containers.

KEEP OUT OF REACH OF CHILDREN.

Section 8 – Exposure Controls/Personal Protection

Respiratory Protection (Specify Type): None required.

Ventilation – Local Exhaust: N/A

Special: N/A

Mechanical (General): N/A

Other: N/A

Protective Gloves: Wear rubber gloves.

Eye Protection: Safety glasses (ANSI Z-87.1 or equivalent)

Other Protective Clothing Or Equipment: Coveralls recommended.

Work/Hygienic Practices: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

Section 9 – Physical and Chemical Properties

Boiling point:	> 500°F (260°C) @ 760 mmHg
Specific gravity (H20 = 1):	0.92
Vapor pressure (mmHg):	N/D
Melting point:	N/A
Vapor Density (Air = 1):	N/D
Evaporation rate (Ethyl Acetate = 1):	N/A
Appearance/Odor:	Amber/Mild petroleum odor
Solubility in water:	Insoluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	0% or (0 g/L)
Flash point:	> 284°F (140°C) SETA CC
Lower explosion limit:	N/D
Upper explosion limit:	N/D

Section 10 – Stability and Reactivity

Stability: Stable

Conditions To Avoid: None known.

Incompatibility (Materials To Avoid): None known.

Hazardous Decomposition Products: CO, CO_2 and fragmented hydrocarbons.

Hazardous Polymerization: Will not occur.

Section 11 – Toxicology Information

Chronic Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Toxicology Data

Ingredient Name

	Base Oil
Oral-Rat LD50:	N/D
Inhalation-Human LC50:	N/D

Section 12 – Ecological Information

Ecological Data

Ingredient Name:	**Base Oil**
Food Chain Concentration Potential	N/A
Waterfowl Toxicity	N/A
BOD	N/A
Aquatic Toxicity	N/A

Section 13 – Disposal Considerations

Waste Classification: Non-regulated waste oil

Disposal Method: Used oil recycler

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state, and local regulation regarding pollution.

Section 14 – Transportation Information

DOT:	Non-regulated
Ocean (IMDG):	Non-regulated
Air (IATA):	Non-regulated
WHMIS (Canada):	Non-regulated

Section 15 – Regulatory Information

Regulatory Data

Ingredient Name:	**Base Oil**
SARA 313	N/A
TSCA Inventory	All components listed
CERCLA RQ	N/A
RCRA Code	N/A

Section 16 – Other Information

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001