

TECH LINE Coatings

SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Ring Seal Improver

Part Number: RSI

Recommended Use: Lubricant for assembling engine parts

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
26844 ADAMS AVE.
MURRIETA, CA 92562
USA
Phone/Fax 1-865-773-0597
www.techlinecoatings.com

For Industrial Use Only
Keep out of reach of children.
Not recommended for use on Medical equipment.
Not recommended for use on Aviation equipment.

Emergency Phone: N. America +1-800-535-5053
Intl. +1-352-323-3500

Section 2 – Hazards Identification

Signal Word: Warning

Symbols:



Hazard Statements:	GHS Classification:	Category
Causes skin Irritation	Skin Irritation	3
Causes eye irritation	Eye Irritatiion	3

Precautionary Statements:

Store locked up.

Wear protective gloves (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breath heated fumes / vapors.

If swallowed: call a poison center / doctor for medical advice. Do NOT induce vomiting.

If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY.

If inhaled: If overcome by vapor from hot product, remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor for medical advice.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advise / attention.

If exposed or concerned: Get medical advise / attention, from a poison center / doctor.

Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
Petroleum Distillates, hydrotreated heavy paraffinic		64742-54-7	< 70%

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician.

In case of skin contact

Remove any contaminated clothing and wash with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body.

In case of eye contact

Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, consult a physician.

If swallowed

If ingested, call a physician immediately. Do not induce vomiting.

Section 5 – Fire Fighting Measures

Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)	Special Fire Fighting Procedures: Cool exposed containers with water. Use air-supplied breathing equipment for enclosed or confined spaces.
Unusual Fire And Explosion Hazards: Do not store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind, or weld, as they may explode.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Scrape up grease, wash remainder with suitable petroleum solvent or add absorbent.
- Keep in suitable, marked and closed containers for disposal.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors from heated product. Avoid contact with skin and eyes. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

Storage:

Keep containers tightly closed when not in use. Keep away from heat and sources of ignition or strong oxidants.

Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
Oil Mist (mineral)	5 mg/m ³ Inhalable fraction.	5 mg/m ³ Mist	5 mg/m ³

Engineering Controls:	Exhaust ventilation. Eyewash stations Use in a well-ventilated area.
Respiratory Protection:	Use NIOSH approved respirator if TWA/TLV limits are exceeded
Protective Gloves:	Chemical Resistant
Eye Protection:	Safety Glasses with Side Shields or Goggles
Other Protective Equipment:	Wear protective Clothing, Chemical Resistant or Other Protective Outerwear, Avoid Contact With Skin or Eyes
Ventilation:	Local Exhaust: Use To Maintain Below TWA Limits
Mechanical:	Use Non-Sparking Equipment
Work / Hygienic Practices:	wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	Black
Odor :	mineral oil odor
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 650° F
Flash point :	> 425° F.
Evaporation Rate:	Not Available
Upper flammability or explosive limits:	Not Available
lower flammability or explosive limits:	Not Available
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	No data available
Solubility(ies)	No
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not Established

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	None
Conditions to avoid:	Avoid heat, flames, sparks and other sources of ignition.
Incompatible Materials:	Oxidizing materials, acids
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition .Smoke, carbon monoxide, aldehydes.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: Irritation
Ingestion	SHORT TERM EXPOSURE: Diarrhea, difficulty breathing LONG TERM EXPOSURE: no information on significant adverse effects
Skin	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: Irritation, skin disorders
Eyes	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: No information available

Acute Toxicity

Petroleum distillates, Hydrotreated heavy paraffinic	Oral LD50	LD50 > 15000 mg/kg , Rat
	Inhalation LC50	LC50 >5 mg/l / 4 h, Rat
	Dermal LD50	LD50 > 5000 mg/kg , Rabbit

Skin Corrosion/Irritation

Petroleum distillates, Hydrotreated heavy paraffinic
Not expected to cause skin irritation

Serious Eye Damage/Eye Irritation

Petroleum distillates, Hydrotreated heavy paraffinic
Not expected to cause eye irritation

Respiratory Or Skin Sensitization

Petroleum distillates, Hydrotreated heavy paraffinic
Not expected to pose respiratory irritation

Germ Cell Mutagenicity

No Data Available

Carcinogenicity

Petroleum Distillates, Hydrated Heavy Paraffinic
Not considered carcinogenic under IARC

Reproductive Toxicity

No data available

Specific Target Organ Toxicity Single Exposure

No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure

No data available

Aspiration Hazard

No data available

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

Petroleum Distillates, Hydrotreated heavy paraffinic

Toxicity to fish

Duration Test Species

Cocentration/Conditions

96 Hr LL50

>100mg/L

Fathead Minnow

7 Day LL50 NOELR

>1000/L

Trout

72 hr EbL50

>50% % of WAF

Scenedesmus subspicatus

21 Day WAF

>1000mg/L

Daphnia magna

Persistence & Degradability LOBs are not readily biodegradable. However, hydrocarbons in general are known to be inherently biodegradable because of their capability of being utilized by microbial communities.

Bioaccumulation Potential Not Available

Soil Mobility Not Available

Other Adverse Effects Calcium Fluoride

State or local laws may impose additional regulatory requirements regarding disposal. Classification of waste is always the responsibility of the end user.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: No

Based on 49 CFR, IATA and IMDG:

UN Number:

UN Proper Shipping Name:

Hazard Class:

Packing Group:

Labels:

Placards:

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	SARA 302	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Heavy hydrotreated naphthenic distillates (petroleum)	< 60%	64742-52-5	Yes	No	No	Yes	Yes	No

All other

SARA 311 / 312 Hazards: Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

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