



RL 32-3MAF

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **RL 32-3MAF**

Product Code(s) : 475389 LE32-3MAF1; 475390 LE32-3MAF5; 475391 LE32-3MAF55; 475392 LE32-3MAFQ

Recommended use of the chemical and restrictions on use

: Professional Use Only:Lubricant

Chemical family

: Not determined.

Name, address, and telephone number of the supplier:

Parker Hannifin Corporation - Sporlan Division

206 Lange Drive
Washington, MO, U.S.A.
63090

Supplier's Telephone # : (636)239-1111

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Not classified

Label elements

Signal Word

No signal word

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

Other hazards

None Identified.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

The components are not hazardous or are below required disclosure limits.

| <u>Chemical name</u> | <u>Common name and synonyms</u> | <u>CAS #</u> | <u>Concentration</u> |
|----------------------|---------------------------------|--------------|----------------------|
| N/Av | N/Av | 100-41-4 | 0.0 - 0.0 |

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion : Treat symptomatically. Get medical attention.

Inhalation : Remove exposed person to fresh air if adverse effects are observed.

Skin contact : Wash with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.



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Eye contact : Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

Most important symptoms and effects, both acute and delayed

: Symptoms: See section 11.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: CO2, Dry chemical or Foam. Water can be used to cool and protect exposed material.

Unsuitable extinguishing media

: Do not use water jet as extinguisher, as this will spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: See Section 10 for additional information. Keep away from heat, sparks, and open flames. Water may cause splattering. Container may rupture on heating.

Flammability classification (OSHA 29 CFR 1910.106)

: No data available.

Hazardous combustion products

: No data available.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

Special fire-fighting procedures

: No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Personal Protective Equipment must be worn. See Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas.

Environmental precautions

: Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Special spill response procedures

: No data available.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Keep away from ignition sources such as heat, sparks and open flame. No smoking. Keep containers closed when not in use. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Maximum Handling Temperature: Not determined.

Conditions for safe storage

: Store away from incompatible materials. See section 10 for incompatible materials. Maximum storage temperature: Not determined.

Incompatible materials

: Strong acids. Strong bases. Strong oxidizing agents.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Exposure Limits: | | | | |
|-------------------------|------------------|-------------|-----------------|-------------|
| <u>Chemical Name</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
| | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| N/Av | N/Av | N/Av | N/Av | N/Av |

None of the components have assigned exposure limits.

Exposure controls

Ventilation and engineering measures

: Use material in well ventilated area only. Adequate ventilation should be provided so that exposure limits are not exceeded. Mechanical ventilation or local exhaust ventilation may be required.

Respiratory protection

: Use respirator with an organic vapor cartridge if exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Skin protection

: Neoprene. Suitable gloves can be recommended by the glove supplier. Long sleeve shirt is recommended. Wear apron or protective clothing in case of contact.

Eye / face protection

: If contact is likely, safety glasses with side shields are recommended.

Other protective equipment

: No data available.

General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Liquid.
- Colorless to yellow.
- Odour** : Mild.
- Odour threshold** : No data available.
- pH** : No data available.
- Melting/Freezing point** : No data available.
- Initial boiling point and boiling range** : No data available.
- Flash point** : 464°F (240°C) (Cleveland Open Cup)
- Flashpoint (Method)** : No data available.
- Evaporation rate (BuAe = 1)** : No data available.
- Flammability (solid, gas)** : No data available.
- Lower flammable limit (% by vol.)** : No data available.
- Upper flammable limit (% by vol.)** : No data available.
- Oxidizing properties** : No data available.
- Explosive properties** : No data available.
- Vapour pressure** : No data available.
- Vapour density** : No data available.



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Relative density / Specific gravity

: Relative Density - 0.981 68°F (20°C)

Solubility in water : Slightly soluble.

Other solubility(ies) : No data available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: No data available.

Auto-ignition temperature : No data available.

Decomposition temperature : No data available.

Viscosity : 31.2 mm²/s (104°F (40°C)) 5.6 mm²/s (100°C (212°F))

Volatiles (% by weight) : No data available.

Volatile organic Compounds (VOC's)

: No data available.

Absolute pressure of container

: No data available.

Flame projection length : No data available.

Other physical/chemical comments

: Pour Point Temperature: -69°F (-56°C)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available.

Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions

: Will not occur.

Conditions to avoid : Do not expose to excessive heat, ignition sources, or oxidizing materials.

Incompatible materials : Strong acids. Strong bases. Strong oxidizing agents.

Hazardous decomposition products

: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : No data available.

Routes of entry skin & eye : No data available.

Routes of entry Ingestion : No data available.

Routes of exposure skin absorption

: No data available.

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: No data available.

Sign and symptoms ingestion

: No data available.

Sign and symptoms skin

: Prolonged or repeat contact may cause irritation.

Sign and symptoms eyes

Remarks: Not classified as a primary skin irritant.

Remarks: Not classified as a primary eye irritant.



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Potential Chronic Health Effects : No data available.
Mutagenicity : No data available.
Carcinogenicity : No data available.
Reproductive effects & Teratogenicity : No data available.
Sensitization to material : No data available.
Specific target organ effects : No data available.
Medical conditions aggravated by overexposure : No data available.
Synergistic materials : No data available.
Toxicological data : No data available.

| <u>Chemical name</u> | LC₅₀(4hr) | LD₅₀ | |
|----------------------|--|--|--|
| | <u>inh, rat</u> | <u>(Oral, rat)</u> | <u>(Rabbit, dermal)</u> |
| N/Av | Not classified for acute toxicity based on available data. | Not classified for acute toxicity based on available data. | Not classified for acute toxicity based on available data. |

Other important toxicological hazards : No data available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : No data available.

Ecotoxicity data:

| <u>Ingredients</u> | CAS No | Toxicity to Fish | | |
|--------------------|---------------|-------------------------|----------------------|-----------------|
| | | LC50 / 96h | NOEC / 21 day | M Factor |
| N/Av | 100-41-4 | N/Av | N/Av | N/Av |

| <u>Ingredients</u> | CAS No | Toxicity to Daphnia | | |
|--------------------|---------------|----------------------------|----------------------|-----------------|
| | | EC50 / 48h | NOEC / 21 day | M Factor |
| N/Av | 100-41-4 | N/Av | N/Av | N/Av |

| <u>Ingredients</u> | CAS No | Toxicity to Algae | | |
|--------------------|---------------|--------------------------|--------------------------|-----------------|
| | | EC50 / 96h or 72h | NOEC / 96h or 72h | M Factor |
| N/Av | 100-41-4 | N/Av | N/Av | N/Av |

Persistence and degradability : No data available.

Bioaccumulation potential : No data available.



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| <u>Components</u> | <u>Partition coefficient n-octanol/ater (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|---------------------|---|--------------------------------------|
| N/Av (CAS 100-41-4) | N/Av | N/Av |

Mobility in soil : No data available.

Other Adverse Environmental effects

: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
 Note: Container packaging may exhibit hazards.

Methods of Disposal : No data available.

RCRA : No data available.

SECTION 14. TRANSPORTATION INFORMATION

| Regulatory Information | UN Number | UN proper shipping name | Transport hazard class(es) | Packing Group | Label |
|---|------------------|--------------------------------|-----------------------------------|----------------------|--------------|
| 49CFR/DOT | None. | Not regulated. | not regulated | none | |
| 49CFR/DOT Additional information | None. | | | | |
| IMDG | None. | Not regulated. | not regulated | none | |
| IMDG Additional information | None. | | | | |
| ICAO/IATA | None. | Not regulated. | not regulated | none | |
| ICAO/IATA Additional information | None. | | | | |

Special precautions for user : None reported by the manufacturer.

Environmental hazards : See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: None known.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:



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| Ingredients | CAS # | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical | |
|-------------|----------|----------------|--|--|---|--------------------------|
| | | | | | Toxic Chemical | de minimus Concentration |
| N/Av | 100-41-4 | Yes | 1000 lb/ 454 kg | N/Av | Yes | N/Av |

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard ; Immediate (Acute) health hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

| Ingredients | CAS # | California Proposition 65 | | State "Right to Know" Lists | | | | | |
|-------------|----------|---------------------------|------------------|-----------------------------|-----|-----|-----|-----|-----|
| | | Listed | Type of Toxicity | CA | MA | MN | NJ | PA | RI |
| N/Av | 100-41-4 | Yes | Cancer | Yes | Yes | Yes | Yes | Yes | Yes |

To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this SDS contains all the information required by the CPR.

International Information:

Components listed below are present on the following International Inventory list:

| Ingredients | CAS # | European EINECs | Australia AICS | Philippines PICCS | Japan ENCS | Korea KECI/KECL | China IECSC | NewZealand IOC |
|-------------|----------|-----------------|----------------|-------------------|----------------|-----------------|-------------|----------------|
| N/Av | 100-41-4 | 202-849-4 | Present | Present | (3)-60; (3)-28 | KE-13532 | Present | HSR001151 |

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CNS: Central Nervous System
- DOT: Department of Transportation
- EPA: Environmental Protection Agency
- NFPA: National Fire Protection Association
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank



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IARC: International Agency for Research on Cancer
 Inh: Inhalation
 LC: Lethal Concentration
 LD: Lethal Dose
 N/Ap: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 RCRA: Resource Conservation and Recovery Act
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System



References : Internal company data and other publically available resources.

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Other special considerations for handling : No data available.

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
 Health: 1 Flammability: 1 Reactivity: 0

NFPA Rating : 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
 Health: 1 Flammability: 1 Instability: 0 Special Hazards:

| | |
|---|--|
| <p>Prepared for: Parker Hannifin Corporation - Sporlan Division 206 Lange Drive, Washington, MO, U.S.A. 63090 Telephone: (636) 239-1111 www.parker.com Direct all enquiries to: Parker Hannifin Corp. - Sporlan Division.</p> |  |
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