



SAFETY DATA SHEET

744 Synthetic Lube SAE 40

Section 1. Identification

GHS product identifier : 744 Synthetic Lube SAE 40

Other means of Identification : Not available.

Product type : Liquid

Identified uses : Heavy duty synthetic lubricant for heavy duty manual transmissions that require the use of a non-extreme pressure lubricant.

Supplier's details : Schaeffer Mfg. Company
2600 S. Broadway
Saint Louis, Missouri 63118
Tel: 314-865-4100
Fax: 314-865-4107
Toll Free: 1-800-325-9962
E-Mail: safety@schaefferoil.com
Web: www.schaefferoil.com

Emergency Phone Number : +1 314 865-4105 (24-hour response number)
(with hours of operation)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : AQUATIC HAZARD (SHORT-TERM) – Category 3
AQUATIC HAZARD (LONG-TERM) – Category 3

GHS label elements

Signal word : No signal word.

Hazard statements : Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention : Avoid release to the environment.

Response : None

Storage : None known.

Disposal : Dispose of contents and container in accordance with local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture

Ingredient Name	%	CAS number
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	>= 1.0 - <3.0	80939-62-4
1-Naphthalenamine, N-phenyl-	>= 0.1 - < 2.0	90-30-2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get immediate medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Wash contaminated skin with plenty of soap and water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Water spray, dry powder, foam
- Unsuitable extinguishing media** : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards arising from the chemical** : During fire, gases hazardous to health may be formed.
- Special protective actions for fire-fighters** : Move containers from fire area if it can be done without risk.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Specific methods** : Use standard firefighting procedures and consider the hazards of other involved materials. Contaminated extinguishing water must be disposed of in accordance with official regulations.
- General fire hazards** : No unusual fire or explosion hazards noted.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also information in "For non-emergency personnel."
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to all applicable Federal, State, Provincial and local authorities and/or the United States National Response Center at (800) 424-8802 as appropriate or required.

Methods and materials for containment and clean up

- Small spill** : Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Dispose of absorbed material in accordance with regulations.

Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Approach release from upwind. Dike spilled material where possible. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Following product recover, flush area with water.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

There is no data available.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. It is recommended that users of this product perform a risk assessment to determine the appropriate PPE.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Avoid contact with eyes. Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact.

Section 8. Exposure controls and personal protection

Skin protection

Hand protection : Wear appropriate chemical resistant gloves.

Body protection : Personal protective clothing such as gloves, aprons, boots and complete facial protection should be selected based on the task being performed and the risks involved. Users should determine acceptable performance characteristics of protective clothing. Consider physical requirements and other substances present when selecting protective clothing.

Respiratory protection : If a risk assessment indicates that respiratory protection is required, use a properly fitted, air-purifying or supplied air respirator that complies with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid. [Clear.]
Color	: Light amber.
Odor	: Faint specific odor.
Odor threshold	: Not available.
pH	: Not available.
Melting point/Freezing point	: Not available.
Boiling point	: Not available.
Flash point	: 460.4°F 238°C)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive or flammable limits	: Not available
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative Density	: 0.8504
Solubility	: Not soluble.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not self-igniting.
Decomposition temperature	: Not available.
Viscosity, kinematic	: 12.5-16.3 @ 100°C.
Volatility	: Not available.
VOC content	: Not available.
Explosive properties	: Not explosive.

Section 10. Stability and reactivity

Reactivity : This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous : No dangerous reaction known under conditions of normal use.

Section 10. Stability and reactivity

Conditions to avoid : No special precautions other than good housekeeping of chemicals.

Incompatible materials : Strong acids and bases. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates).

Hazardous decomposition products: Non when stored and handled as prescribed/indicated.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Result	Species	Dose	Exposure
LD50 Oral	Rat	>2,000 mg/kg	-

Irritation/Corrosion

Result	Species	Exposure
Non-irritant	Rabbit	Skin
Non-irritant	Eye	rabbit

Sensitization

A sensitizing effect on particularly sensitive individuals cannot be excluded.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.
Repeated dose toxicity : No known significant effects or critical hazards.
Carcinogenicity : The whole of the information assessable provides no indication of a carcinogenic effect.
Genetic toxicity : Based on the ingredients, there is not suspicion of a mutagenic effect.
Reproductive toxicity : Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Section 12. Ecological information

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

DOT Classification : Not regulated.
IMDG : Not regulated.
IATA/ICAO : Not regulated.
AERG : Not applicable

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulation : All components are on the U.S. EPA TSCA Inventory List.

CERCLA Hazardous Substance List (40CFR 302.4) : 2-Naphthylamine (CAS 91-59-8) RQ 10lbs

SARA 311/312 Classification : Not hazardous.

State regulations

California Prop. 65



WARNING: This product can expose you to 2-naphthylamine, a chemical known to the State of California to cause cancer. For more information, go to www.P65warnings.ca.gov.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health: 1 **Flammability:** 1 **Physical hazards:** 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health: 1 **Flammability:** 1 **Instability:** 0

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