



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 1 of 10

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Alkylbenzene Lubricate**

Product Code(s) : LAB301 (P/N 475430); LAB3055 (P/N 475432)

Recommended use of the chemical and restrictions on use

: Lubricant for any CFC, HCFC or ammonia refrigeration or air conditioning application.

Chemical family : Mixture

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

WHMIS information: This product is not a WHMIS controlled product in Canada. It does not meet any of the criteria for a controlled product provided in Part IV of the Controlled Products Regulations (CPR).

OSHA: This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

Label elements

The following label information is applicable only to the United States according to OSHA Regulations (29 CFR 1910.1200) (Hazcom 2012):

Signal Word

Not required

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

The following label information is applicable only to Canada according to the Canadian Controlled Products Regulations (CPR/WHMIS):

This product is not a WHMIS controlled product in Canada.
As such, this product does not require a WHMIS Supplier label.

Other hazards



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 2 of 10

SAFETY DATA SHEET

Other hazards which do not result in classification :
Burning produces obnoxious and toxic fumes. May be mildly irritating to skin, eyes and respiratory system. Ingestion can cause gastrointestinal irritation, nausea, and diarrhea.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance

<u>Chemical name</u>	<u>CAS #</u>	<u>Concentration</u>
Benzene, C14-30-alkyl derivatives	68855-24-3	100.00

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Call a physician.
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
- Skin contact* : Wash off immediately with plenty of water. Remove and wash contaminated clothing before re-use. If irritation or symptoms develop, seek medical attention.
- Eye contact* : Immediately flush eyes with running water for at least 5 to 10 minutes. If irritation persists, seek prompt medical attention.

Most important symptoms and effects, both acute and delayed

- : May cause mild eye irritation. Symptoms may include stinging and tearing. May cause mild skin irritation. Symptoms may include mild redness and swelling. May cause respiratory irritation. In high concentrations, symptoms may include sore throat, sneezing, coughing and shortness of breath. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.

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

- : Not flammable under normal conditions of use. However, may ignite if exposed to extreme heat and flame. Closed containers may build up pressure when exposed to heat and flame. Vapours are heavier than air and may spread along floors.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

Explosion Data: Sensitivity to Mechanical Impact / Static Discharge:

- : Not expected to be sensitive to mechanical impact or static discharge.

Hazardous combustion products

- : Carbon oxides Organic materials

Special protective equipment and precautions for firefighters



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 3 of 10

SAFETY DATA SHEET

Protective equipment for fire-fighters

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Restrict access to area until completion of clean-up.

Environmental precautions

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

- : Remove all sources of ignition. Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities.

Special spill response procedures

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
 US CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use only in well-ventilated areas. Wear suitable protective equipment during handling. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials

- : Oxidizing agents; Acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Benzene, C14-30-alkyl derivatives	5 mg/m3 (As 'Oil mist, mineral')	N/Av	5 mg/m3 (inhalable) (As 'Oil mist, mineral')	N/Av

*Note: The ACGIH TLV listed above for Propylene glycol is an AIHA WEEL.

Exposure controls



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 4 of 10

SAFETY DATA SHEET

Ventilation and engineering measures

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection

: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection

: Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.

Eye / face protection

: Chemical goggles are recommended when there is a potential for splashing.

Other protective equipment

: Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

: Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear yellow liquid.

Odour : Slight petroleum odour.

Odour threshold : N/Av

pH : N/Av

Melting/Freezing point : Not available.

Initial boiling point and boiling range

: > 300°C (> 572°F)

Flash point : 175°C (347°F)

Flashpoint (Method) : open cup

Evaporation rate (BuAe = 1) : > 1

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.) : N/Av

Upper flammable limit (% by vol.) : N/Av

Oxidizing properties : None known.

Explosive properties : Not explosive

Vapour pressure : <0.1

Vapour density : N/Av

Relative density / Specific gravity : 0.87

Solubility in water : Insoluble.

Other solubility(ies) : None known.

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

: 9.5 to 13.7

Auto-ignition temperature : Not known.

Decomposition temperature : N/Av

Viscosity : 28.2 cSt @ 40°C (104°F)

Volatiles (% by weight) : 0%



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 5 of 10

SAFETY DATA SHEET

Volatile organic Compounds (VOC's)

: 0

Absolute pressure of container

: N/Ap

Flame projection length

: N/Ap

Other physical/chemical comments

: None.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.

Chemical stability : Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid

: Avoid excessive heat, sparks and open flame. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation.

Incompatible materials

: Oxidizing agents; Acids.

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.

Sign and symptoms ingestion

: Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Sign and symptoms skin

: Direct skin contact may result in little or no irritation.

Sign and symptoms eyes

: May cause mild transient irritation.

Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Senitization to material

: Not expected to be a skin or respiratory sensitizer.



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 6 of 10

SAFETY DATA SHEET

- Specific target organ effects** : The substance or mixture is not classified as specific target organ toxicant, single exposure.
 The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Irritancy** : Slightly irritating.
- Medical conditions aggravated by overexposure** : None known.
- Synergistic materials** : Not available.
- Toxicological data** : See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Benzene, C14-30-alkyl derivatives	N/Av	>15800 mg/kg	>7940 mg/kg

- Other important toxicological hazards** : None known.

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Do not allow material to contaminate ground water system. As supplied, not expected to be toxic to fish and aquatic plants. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Benzene, C14-30-alkyl derivatives	68855-24-3	>600mg/L (Rainbow trout)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Benzene, C14-30-alkyl derivatives	68855-24-3	>100mg/L (Water flea)	N/Av	None.

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Benzene, C14-30-alkyl derivatives	68855-24-3	>1000mg/L (Green algae)	N/Av	None.

- Persistence and degradability** : Not readily biodegradable.
- Bioaccumulation potential** : Bioconcentration factor (BCF) = 3.2
- Mobility in soil** : No information available.
- Other Adverse Environmental effects** : No information available.

SECTION 13. DISPOSAL CONSIDERATIONS



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 7 of 10

SAFETY DATA SHEET

- Handling for Disposal** : Handle waste according to recommendations in Section 7.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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.				
TDG	None.	Not regulated.	Not regulated	none	
TDG 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**
:

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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

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
Benzene, C14-30-alkyl derivatives	68855-24-3	Yes	N/Ap	N/Av	No	N/Ap

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 8 of 10

SAFETY DATA SHEET

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Benzene, C14-30-alkyl derivatives	68855-24-3	No	N/Ap	No	No	No	No	No	No

Canadian Information:

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

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 MSDS contains all the information required by the CPR.

International Information:

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

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Benzene, C14-30-alkyl derivatives	68855-24-3	272-472-8	Present	Present	(3)-21	KE-02159	Present	HSR007354

SECTION 16. OTHER INFORMATION



Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 9 of 10

SAFETY DATA SHEET

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
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EPA: Environmental Protection Agency
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- LC: Lethal Concentration
- LD: Lethal Dose
- MN: Minnesota
- N/Ap: Not Applicable
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- RI: Rhode Island
- 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 :

- Canadian Centre for Occupational Health and Safety, CCIInfoWeb Databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).
- OECD- The Global Portal to Information on Chemical Substances - eChemPortal, 2015
- European Chemicals Agency, Classification Legislation, 2015
- Material Safety Data Sheet from manufacturer

Preparation Date (mm/dd/yyyy) : 05/14/2015

Other special considerations for handling : Provide adequate information, instruction and training for operators.

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:* None.





Alkylbenzene Lubricate

LAB301;LAB3055

SDS Preparation Date (mm/dd/yyyy): 05/14/2015

Page 10 of 10

SAFETY DATA SHEET

<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>	
<p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

DISCLAIMER

This Material Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by / obtained from Parker Hannifin Corp and CCOHS' Web Information Service. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Parker Hannifin Corp expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

This Material Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Parker Hannifin Corp.

END OF DOCUMENT