MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT & COMPANY IDENTIFICATION

Product Name: **Albatross Lemon Oil**
Product Code: 3026, 3027, & 3029
Material uses: Lubricating Oil
Date: 03/28/13
Manufacturer's name and address: Refer to supplier
Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

SECTION 2 — HAZARDS IDENTIFICATION

Physical State:	Bright oily liquid
Odor:	Petroleum
OSHA/HCS Status:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Emergency Overview:	CAUTION! MAY CAUSE EYE AND SKIN IRRITATION Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Routes of Entry:	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards
Skin:	Slightly irritating to the skin
Eyes:	Slightly irritating to the skin
Potential chronic health effects	
Chronic effects:	No known significant effects or critical hazards
Carcinogenicity:	No known significant effects or critical hazards
Mutagenicity:	No known significant effects or critical hazards
Teratogenicity:	No known significant effects or critical hazards
Developmental effects:	No known significant effects or critical hazards
Fertility effects:	No known significant effects or critical hazards
Over-exposure signs/symptoms	
Inhalation:	No specific data

Ingestion:	No specific data
Skin:	Adverse symptoms may include the following: irritation redness
Eyes:	Adverse symptoms may include the following: pain or irritation watering redness
Medical conditions aggravated by over-exposure:	None known

See toxicological information (section 11)

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

United States		
Name	**CAS #**	**%**
Base Oils	178603-64-0	100

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.

SECTION 4 — FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
Skin Contact:	Wash with soap and water. Get medical attention if symptoms occur.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Notes to Physician:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability of the product: May be combustible at high temperature

Extinguishing media

Suitable: Use dry chemical, CO_2, water spray (fog) or foam

Not suitable: None known

Hazardous thermal decomposition products: No specific data

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.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up:

Small spill: Stop leak if without risk. Move containers from spill area. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. 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. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7 — HANDLING AND STORAGE INFORMATION

Handling: Put on appropriate personal protective equipment (see section 8). 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. Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.

Storage: 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/PERSONAL PROTECTION

United States	
Product Name	**Exposure Limits**
Base Oils	**NIOSH REL (United States, 6/2008)** STEL: 10 mg/m^3 15 minute(s). Form: Mist TWA: 5 mg/m^3 10 hour(s). Form: Mist

Consult local authorities for acceptable exposure limits.

Recommended monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Engineering measures: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

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.

Personal protection

Eyes: Safety glasses.

Skin: Lab coat

Respiratory: A respirator is not needed under normal and intended conditions of use.

Hands: Natural rubber (latex)

Personal protective Equipment (Pictograms):

HMIS Code/Personal protective equipment: B

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Bright oily liquid
Flash Point: Open cup: >120°C (>248°F) [Cleveland]
Color: Clear
Odor: Petroleum
Relative Density: >0.88 @ 15.6° C
Vapor Pressure: <0.13kPa (<1 mm Hg)
VOC: 100%
Solubility: Insoluble in the following materials: cold water and hot water

SECTION 10 — STABILITY AND REACTIVITY

Stability: The product is stable.
Hazardous polymerization: Under normal conditions of storage and use, hazardous polymerization will not occur
Conditions to Avoid: No specific data
Materials to Avoid: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity: Acute Oral LD_{50} > 5,000 mg/kg (5 g/kg)
Test Method: OECD Guideline 401
Inhalation: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards
Skin: Slightly Irritating to the skin
Eyes: Slightly Irritating to the eyes

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: No known significant effects or critical hazards.

In a static 96 hour acute fathead minnow (*Pimephales promelas*) limit test (OECD 203), 10 animals/loading were exposed to the Water Accommodated Fraction (WAF) of the test substance at a nominal concentration of 100 mg/L. The LL50 was > 100 mg/L and the NOEL was ≥ 100 mg/L for the WAF of the test substance.

In a semi-static 96-hour short-term freshwater shrimp (*Gammarus pulex*) toxicity test (OECD 202), triplicate samples of 10 animals/loading were exposed to a base oil at nominal concentrations of the Water Accommodated Fractions (WAF) 0, 10, 100, 1000, and 10,000 mg/L. Concentrations of the test substance were not determined during the study. The 96 hour LL50 was >10,000 mg/L, generally non-toxic. The NOEL was found to be ≥10,000 mg/L.

In a 72-hour algal toxicity study conducted according to OECD guideline 201, the freshwater aquatic plant, *Pseudokirchneriella subcapitata,* was exposed to an other lubricant base oil at a nominal concentration of 100 mg/L Water Accommodated Fraction loading rate under static conditions. The NOEL based upon average specific growth rate and cell yield was ≥ 100 mg/L.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14 — TRANSPORT INFORMATION

AERG: Not applicable

Regulatory information

DOT/IMDG/IATA: Not regulated

SECTION 15 — REGULATORY INFORMATION

United States

HCS Classification: Not regulated

U.S. Federal regulations:

United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found.

Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA 311: No products were found
Clean Air Act (CAA) 112 accidental release prevention: No products were found
Clean Air Act (CAA) 112 regulated flammable substances: No products were found

Clean Air Act (CAA 112 regulated toxic substances: No products were found

State Regulations:

Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.
Rhode Island Hazardous Substances: None of the components are listed.

California Prop 65: No products were found.

International regulations

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

SECTION 16 — OTHER INFORMATION

Label Requirements: MAY CAUSE EYE AND SKIN IRRITATION

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

HAZARD RATINGS
4 - Extreme
3 - Serious
2 - Moderate
1 - Slight
0 – Minimal

Health	**1**
Fire Hazard	**1**
Physical Hazard	**0**
Personal Protection	**B**

See Section 8 for more detailed information on personal protection. 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

Referances: ANSI Z400.1, MSDS Standard, 2004. – Manufacturer's Material Safety Data Sheet. – 29CFR Part 1910.1200 OSHA MSDS Requirements. – 49CFR Table List of Hazardous

Materials, UN#, Proper Shipping Names, PG.

Date of Issue: 6/1/2009
Date of Revision: 3/28/2013
Version: 3

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.