



MATERIAL SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Albatross Cutting Machine Oil (Iso-68)
Product Code: 3034, 3035, 3036 & 3037
Product Use: Hydraulic fluid. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Date: 07/30/07
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)

This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. This product contains ingredients that are considered to be hazardous as defined by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS #</u>	<u>(%)</u>
Base oil – highly refined	Mixture	0 - 100

SECTION 3 — HAZARDS IDENTIFICATION

Physical State: Liquid
Color: Amber. (Light)
Emergency Overview: CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential health effects

Eyes:	May cause eye irritation.
Skin:	May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. High pressure skin injections are serious medical emergencies. Injury will not appear serious at first; within a few hours, tissue will become swollen, discoloured and extremely painful.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	Ingestion may cause gastrointestinal irritation and diarrhea.
Medical conditions aggravated by over-exposure:	None identified.

See toxicological information (section 11)

SECTION 4 — FIRST AID MEASURES

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact:	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. Accidental high pressure injection through the skin requires immediate medical attention.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear. If large quantities of this material are swallowed, call a physician immediately.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability of the product:	May be combustible at high temperature.
Flash point:	Open cup: 226°C (Cleveland)
Products of combustion:	carbon oxides (CO, CO _x), (carbon monoxide, carbon dioxide)
Unusual fire/explosion hazards:	This material is not explosive as defined by established regulatory criteria.
Fire-fighting media and instructions:	In case of fire, use water fog, foam, dry chemicals, or carbon dioxide. Do not use water jet.
Protective Clothing (fire):	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and

full turnout gear.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (see section: “Exposure controls/personal protection”). Follow all fire fighting procedures (See section: “Fire-fighting measures”).

Environmental Precautions and Clean-up Methods:

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for Waste Disposal Information.

Personal protection In case of a large spill:

Chemical splash goggles. Chemical resistant protective suit. Boots. Chemical resistant gloves. Vapour respirator or a self-contained breathing apparatus. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

CAUTION: The protection provided by air-purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, if exposure levels are not known, or if concentrations exceed the protection limits of air-purifying respirator.

SECTION 7 — HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Use only with adequate ventilation. Wash thoroughly after handling. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure Limits

Ingredient Name

Occupational exposure limits

Base Oil – highly refined

ACGIH (United States)

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

OSHA (United States)

TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

Some states may enforce more stringent exposure limits.

Control Measures: Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the work-station location.

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..

Personal protective

Eye: Avoid contact with eyes. Chemical splash goggles.

Skin and body: Avoid contact with skin and clothing. Wear suitable protective clothing.

Respiratory: Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

Hands: Wear gloves that cannot be penetrated by chemicals or oil. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures) Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

Consult your supervisor or S.O.P. for special handling directions

Consult local authorities for acceptable exposure limits.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Amber. (Light)
Odor: Oily (Slight)
Heat of Combustion: Not available
Pour Point: -26°C
Specific Gravity: 0.87
Solubility: Insoluble in water.
Viscosity: Kinematic: 68.13 mm²/s (68.13 cSt) at 40° C
 Kinematic: 8.7 mm²/s (8.7 cSt) at 100° C
 SUS: 55.4 SUS at 98.889° C
Viscosity Index: 99

SECTION 10 — STABILITY AND REACTIVITY DATA

Stability and reactivity: The product is stable.

Conditions to

Avoid: Keep away from heat, sparks and flame.

Incompatibility**with various****substances:**

Reactive or incompatible with the following materials: oxidizing materials

Hazardous**Decomposition****Products:**

Carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide).

Hazardous**Polymerization:**

Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

Chronic toxicity**Carcinogenic****effects:**

No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).

Mutagenic**effects:**

No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.

Reproductive**effects:**

No component of this product at levels greater than or equal to 0.1% is classified by established regulatory criteria as a reproductive toxin.

Teratogenic**effects:**

No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity

No testing has been performed by the manufacturer.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal:

Avoid contact of spilled material and runoff with soil and surface waterways. Consult an

environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

RCRA Waste Code(s): USED OIL

Consult your local or regional authorities

SECTION 14 — TRANSPORT INFORMATION

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO)

SECTION 15 — REGULATORY INFORMATION

U.S. Federal regulations:

United States Inventory (TSCA 8b): All components are listed or exempted.

TSCA 12(b) one-time export notification: Diphenylamine

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Castrol Paradene 68 R&O: Immediate (Acute) Health Hazard

SARA 313

Form R – Reporting requirements

This product does not contain any hazardous ingredients at or above regulated thresholds.

Supplier notification

This product does not contain any hazardous ingredients at or above regulated thresholds.

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This material is not regulated under CERCLA Sections 103 and 107.

State Regulations:

Massachusetts Substances

Massachusetts RTK: None of the components are listed.

New Jersey Hazardous Substances

New Jersey Hazardous Substances: None of the components are listed.

Pennsylvania RTK Hazardous Substances

Pennsylvania RTK: None of the components are listed.

WARNING: This product contains a chemical known to the State of California to cause cancer. 2-Naphthylamine; Aniline

WARNING: This product contains a chemical known to the State of California to cause

birth defects or other reproductive harm. Toluene

Inventories

Canada inventory: All components are listed or exempted.

Europe inventory: All components are listed or exempted.

Australia inventory (AICS): All components are listed or exempted

China inventory (IECSC): All components are listed or exempted

Japan inventory (ENCS): At least one component is not listed.

Korea inventory (KECI): All components are listed or exempted

Philippines inventory (PICCS): All components are listed or exempted

SECTION 16 — OTHER INFORMATION

Label Requirements: CAUTION!

MAY CAUSE EYE IRRITATION

MAY CAUSE SKIN IRRITATION

MAY CAUSE RESPIRATORY TRACT IRRITATION

HMIS Rating:	Health	1	National Fire	Health	1
	Flammability	1	Protection	Fire Hazard	1
	Physical Hazard	0	Association	Instability	0
	Personal Protection	X	(U.S.A)	Specific Hazard	

Notice to Reader

NOTICE: This Material Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.