



1. Chemical product and company identification

Product name CASTROL ALPHA EP 68

MSDS# 13006-AE

Code 13006-AE

Product use Lubricant

Manufacturer CASTROL INDUSTRIAL NORTH AMERICA INC.
1001 WEST 31ST STREET
DOWNERS GROVE, IL 60515-1280
TEL.: 1 - 630-241-4000 (USA)

Supplier CASTROL INDUSTRIAL NORTH AMERICA INC.
1001 West 31St Street
Downers Grove, IL 60515-1280
U.S.A.
1 (630) 241-4000 (USA)

EMERGENCY SPILL INFORMATION: 1 (800) 424-9300 CHEMTREC (USA)

2. Composition/information on ingredients

Ingredient name	CAS #	% by weight	Exposure limits
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	95 - 100	ACGIH (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist STEL: 10 mg/m ³ 15 minute(s). Form: Mist OSHA (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist

3. Hazards identification

Physical state Liquid.

Color Clear. Amber. Color

Emergency overview CAUTION!
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
Avoid prolonged or repeated contact with skin. Keep container closed. Wash thoroughly after handling. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. Use with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.

Routes of entry Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Health Effects

Eyes May cause eye irritation.

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Skin	May cause skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	May cause respiratory tract irritation.
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhea.
Medical conditions aggravated by overexposure:	None identified.

[See toxicological Information \(section 11\)](#)

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 develops.
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 if irritation develops.
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.

5. Fire-fighting measures

Flammability of the product	May be combustible at high temperature.
Flash point	215 °C (Open cup) Cleveland.
Products of combustion	These products are carbon oxides (CO, CO ₂).
Unusual fire/explosion hazards	This material is not explosive as defined by established regulatory criteria. Non-explosive in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials.
Fire fighting media and instructions	In case of fire, use water fog, foam, dry chemicals, or carbon dioxide.
Protective clothing (fire)	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
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. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
Personal protection in case of a large spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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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.

8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Distillates (petroleum), solvent-refined heavy paraffinic

Occupational exposure limits

ACGIH (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Mist

STEL: 10 mg/m³ 15 minute(s). Form: Mist

OSHA (United States).

TWA: 5 mg/m³ 8 hour(s). Form: Mist

Control Measures

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Hygiene measures

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protection

Eyes

Avoid contact with eyes. Safety glasses with side shield or chemical goggles.

Skin and Body

Avoid prolonged or repeated contact with skin. Wear suitable protective clothing.

Respiratory

Use only with adequate ventilation.

Hands

Wear suitable gloves.



Consult local authorities for acceptable exposure limits.

9. Physical and chemical properties

Physical state	Liquid.
pH	Not applicable
Odor	Slight Odor
Color	Clear. Amber. Color
Specific Gravity	0.88
Solubility	Insoluble in cold water, hot water.
Dispersion properties	Is not dispersed in cold water, hot water.

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10. Stability and reactivity

Stability and Reactivity	The product is stable.
Conditions to avoid	None known.
Incompatibility with various substances	Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	Carbon Dioxide (CO ₂), nitrogen oxides (NO, NO ₂ ...)
Hazardous polymerization	Will not occur.

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 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.

12. Ecological information

Ecotoxicity	No testing has been performed by the manufacturer.
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13. Disposal considerations

Waste information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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RCRA Waste Code(s)	USED OIL
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Consult your local or regional authorities.

14. Transport information

International transport regulations

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Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	Not available.	Not available.	Not available.		Not available.
TDG Classification	Not regulated.	-----	-----	Not available.		Not available.
IMDG Classification	Not regulated.	-----	-----	Not available.		Not available.
IATA Classification	Not regulated.	-----	-----	Not available.		Not available.

15. Regulatory information

U.S. Federal regulations

US INVENTORY (TSCA): In compliance.

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

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

Pennsylvania RTK:Soybean oil (generic environmental hazard)

California Prop 65: WARNING! This product contains trace amounts of the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm.: Cadmium; Lead; Arsenic; Ethyl acrylate; Naphthalene; Benzene; Toluene

Inventories

AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): In compliance.

CHINA INVENTORY (IECS): Not determined.

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): In compliance.

PHILIPPINE INVENTORY (PICCS): In compliance.

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16. Other information

Label Requirements

CAUTION!

MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

HMIS® Rating :

Health 1
Flammability 1
Physical Hazard 0
Personal protection B

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



Other special considerations

PETROLEUM OIL: STEL = 10 mg/M3. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200. No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

History

Date of issue

03/16/2004.

Date of previous issue

03/03/2004.

Prepared by

Product Stewardship

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.

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.