



CICLUSA S.A. DE C.V.

Av. San Nicolás Norte No. 3840 Col. Del Norte C.P. 64500 Tel./Fax: 8331-2210, 8331-6767, 8331-68688331-6969, 8331-6970, Monterrey, N.L. Email: ciclusa@prodigy.net.mx

SAFETY DATA SHEET

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product name : LUBRIPOWER SAE 10W30

Description of the product : Lubricant base and Additives

Recommended use : Fluide Mecanique

IDENTIFICATION OF THE ENTERPRISE

MANUFACTURER/FOURNISSEUR

CICLUSA S.A de C.V.

Av. San Nicolás 3840.

Northern Col.

Monterrey N.L. ZIP 64500 Mexico

IMPORTER

KARCHER NORTH AMERICA INC.

6398 N. Karcher Way

Aurora CO, 80019

Phone: 1-800-537-4129

SECTION 2

HAZARD IDENTIFICATION

This material is not hazardous according to regulatory guidelines (see MSDS section 15)

Other hazard information: PHYSICAL / CHEMICAL HAZARDS

No significant danger

HEALTH HAZARDS

High pressure injection under the skin can cause serious damage. Excessive exposure may cause eye, skin or respiratory tract irritation.

ENVIRONMENTAL HAZARDS

No significant danger.

Hazard identification NFPA: Health : 0 Flammability: 1 Reactivity: 0

Hazard identification HMIS: Health : 0 Flammability: 1 Reactivity: 0



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ETIQUETA:

Pictograma:



NOTE: This material should not be used for any purpose other than the intended use in Section 1 without the advice of a expert. Health studies have shown that exposure to chemicals can lead to potential human health risks that can vary from person to person.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

This material is defined as a mixture.

Hazardous Substance(s) or Complex Substance(s) to be disclosed

name	CASE#	Concentration*	SGA Hazard Codes
2,6-DI-TERT-BUTIL-P-CRESOL	128-37-0	0.1 - < 1%	H400(M factor 1), H410(M factor 1)
SULFONATE DE CALCIUM	57855-77-3	0.1 - < 1%	H315, H318, H317
HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	1 - < 5%	H304
DITIOPHOSPHATE DE ZINC	68649-42-3	0.1 - < 1%	H315, H318, H401, H411

* All concentrations are in percent by weight, unless ingredient is a gas. Concentrations of gases are in percentage by volume.

SECTION 4 FIRST AID

INHALATION

Remove yourself from further exposure. For those providing assistance, avoid exposing yourself or others. Wear suitable respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth.

SKIN CONTACT

Wash contact areas with soap and water. If the product is injected into or under the skin, or into any part of the body, regardless of the injured area's appearance or size, the person should be immediately evaluated by a physician as a surgical emergency. Even when the initial symptoms of high pressure injection are minimal or absent, surgical treatment within the first few hours can ultimately significantly reduce the degree of injury.



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EYE CONTACT

Rinse thoroughly with water. If irritation occurs, consult a doctor.

INGESTION

First aid is normally not required. In case of discomfort, consult a doctor.

SECTION 5

FIGHT AGAINST THE FIRE

SUITABLE EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use water fog, foam, dry chemical or Carbon Dioxide (CO₂) to extinguish flames.

Unsuitable extinguishing media: Direct water jets.

SPECIAL FIRE FIGHTING MEASURES

Fire instructions: Evacuate the area. Prevent product from flowing out of fire controlled area, or from dilution into intake sources, sewers or potable water supplies. Firefighters should use standard protective equipment and in closed areas, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Mists under pressure may form flammable mixture.

Hazardous Combustion Products: Aldehydes, Products of Incomplete Combustion, Oxides of Carbon, Smoke, Oxides of Sulfur.

FLAMMABLE PROPERTIES

Flash point [Method]: >204°C (399°F) [ASTM D-92]

Flammable Limits (approximate % volume in air): LEL: 0.9 UEL: 7.0

Auto-ignition temperature: N/D

SECTION 6

ACCIDENTAL SPILL OR LEAK MEASURES

NOTIFICATION PROCEDURES

In the event of a spill or accidental release notify the proper authorities in accordance with all applicable regulations.

PROTECTIVE MEASURES

Avoid contact with spilled product. See Section 5 for fire information. See Hazards Identification section for significant hazards. See Section 4 for first aid recommendations. See Section 8 for minimum personal protective equipment requirements. Additional protective measures may be necessary depending on the specific circumstances and/or the expertise of personnel involved in the emergency.

For those presenting themselves to emergencies: Respiratory protection: Respiratory protection will only be necessary in special cases, for example, the formation of mists. A half- or full-face respirator with organic vapor/particulate filter(s) or self-contained breathing apparatus (SCBA) may be used depending on the size of the spill and potential level of exposure. If exposure cannot be characterized or an oxygen-deficient atmosphere is expected or possible, SCBA is recommended. Hydrocarbon resistant work gloves are recommended. Polyvinyl acetate (PVA) gloves are not waterproof and are not recommended for emergency use. Chemical goggles are recommended if splashing or eye contact is possible. Small spills: Normal anti-static work clothes are usually sufficient. Large Spills - Full suit chemical resistant, anti-static recommended.

SPILL MANAGEMENT

Land Spill: If you can do it without risk, stop the leak. Recover by pumping or with a suitable absorbent.

Water Spill: If you can do it without risk, stop the leak. Contain the spill immediately with floating barriers. Warn other boats



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Remove from surface by skimming or using suitable absorbents.
Seek specialist assistance before using dispersants.

Recommendations for spills to water and land are based on the most feasible scenario for this material; however, geographical conditions, wind, temperature, (and in the case of spills in water) wave direction and speed, can significantly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit the action to be taken.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Contain with a dike located well ahead of the spill for recovery and later disposal. Large Spills: Avoid entry into waterways, sewers, basements or confined areas.

SECTION 7 MANAGEMENT AND STORAGE

MANAGEMENT

Avoid small spills and leaks to prevent slipping hazards. Material can accumulate static charges which can cause an electrical spark (ignition source). When material is handled in bulk, an electrical spark may ignite flammable liquid vapors or residues that may be present (for example, during load moving operations). Use proper bonding and grounding procedures. However, tethering and grounding connections may not eliminate the risk of static electricity buildup. Consult applicable local regulations for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignition from Static, Lightning, and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of conduct to avoid the risks due to static electricity).

Static electricity accumulator: This material is a static electricity accumulator.

STORAGE

The type of container used to store the material can affect static buildup and dissipation. Do not store in open or unidentified containers. Stay away from incompatible materials.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits and standards for materials that may be formed when handling this product: If there is a risk of mist/aerosol formation, the following is recommended: 5 mg/m³ - ACGIH TLV (inhalable fraction).

NOTE: Limits and standards are provided for guidance only. Follow applicable regulations.

ENGINEERING CHECKS

The level of protection and types of controls required will vary depending on potential exposure conditions. Control measures to consider: No special requirements under normal conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration, and ventilation. The information on the selection of protective equipment for use with this material, as given below, is based on normal intended use.

Respiratory Protection: If engineering controls do not maintain concentrations of airborne contaminants at levels adequate to protect worker health, use of an approved respirator may be



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appropriate. Where applicable, respirator selection, use and maintenance must be in accordance with regulatory requirements. Types of respirators to consider for this type of equipment include:
No special requirements under normal conditions of use and with adequate ventilation.

For high airborne concentrations, use an approved air-supplied respirator operated in positive pressure mode. Supplied air respirators with escape cylinders may be appropriate when oxygen levels are insufficient, vapor/gas alert properties are poor, or air purifying filter capacity or rating may have been exceeded.

Hand Protection: Any specific glove information provided is based on published literature and manufacturer data. Working conditions can significantly affect the condition and durability of the glove. Contact the glove manufacturer for specific selection and durability information for your conditions of use. Inspect and replace worn or damaged gloves. Glove types considered for this material include:
Protection is not generally required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection: Any information given on specific garments is based on published literature or manufacturer data. Clothing types to consider for this material include:

Under normal conditions of use, skin protection is generally not required. In accordance with good industrial hygiene practice, precautions should be taken to avoid skin contact.

Specific Hygiene Measures: Always follow good personal hygiene practices, such as washing after handling equipment and before eating, drinking and/or smoking. Regularly wash work clothes and protective equipment to remove contaminants. Throw away contaminated clothing and shoes that cannot be cleaned. Maintain good grooming practices.

ENVIRONMENTAL CONTROLS

Comply with environmental regulations limiting disposal to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties are provided for safety, health and environmental reasons and may not fully represent product specifications. Consult the supplier for more information.

GENERAL INFORMATIONS

Physical State: Liquid

Brown color

Odor: characteristic

Odor threshold: N/A

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Relative density (at 15.6°C): 0.881

Flammability (solid, gas): N/A

Flash point [Method]: > 204°C (399°F) [ASTM D-92]

Flammable Limits (approximate % volume in air): LEL: 0.9 UEL: 7.0

Auto Ignition Temperature: N/A

Boiling Point / Range: > 316°C (600°F) Decomposition Temperature: N/A Vapor Density (Air = 1): > 2 to 101



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Vapor pressure: <0.013 kPa (0.1 mm Hg) at 20°C
Evaporation rate (n-butyl acetate = 1): N/A pH: N/A
Log Pow (Logarithm of n-octanol/water partition coefficient): > 3.5
Solubility in water: Negligible
Viscosity: 68 cSt (68 mm²/sec) at 40°C
Oxidizing properties: See Hazards Identification section.

OTHER INFORMATION

Freezing point: N/A
Melting point: N/A
Pour point: -18°C (0°F)
DMSO extract (mineral oil only), IP-346: <3% by weight

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: See subsections below.

STABILITY: Under normal conditions the material is stable.

CONDITIONS TO AVOID: Excessive heat. High energy ignition sources.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at room temperature.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Type of hazard	Conclusion / Comments
Inhalation	
Acute Toxicity: There are no end point data for the material.	Acute Toxicity: There are no end point data for the material.
Irritation: No endpoint data for material.	Negligible hazard when handling at ambient/normal temperatures
Ingestion	
Acute Toxicity: There are no end point data for the material.	Minimally toxic. Based on component rating
Skin	
Acute Toxicity: There are no end point data for the material.	Minimally toxic. Based on component rating.



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Skin Corrosion/Irritation: No end point data for material.	Negligible skin irritation at room temperature. Based on component rating.
Eye	
Serious Eye Damage/Irritation: No end point data for material.	May cause mild short term eye discomfort. Based on component rating.
Sensitization	
Respiratory Sensitization: No end point data for material.	Not expected to be a respiratory sensitizer.
Skin Sensitization: No end point data for material.	Not expected to be a skin sensitizer. Based on component rating.
Aspiration: Data available.	Not expected to be an aspiration hazard. Data based on the physico-chemical properties of the material.
Germ Cell Mutagenicity: No endpoint data for material.	Not expected to be germ cell mutagenic. Based on component rating.
Carcinogenicity: No end point data for material.	It is not expected to cause cancer. Based on component rating.
Reproductive Toxicity: No endpoint data for material.	Not expected to be toxic to reproduction. Based on component rating.
Lactation: No endpoint data for material.	It should not be harmful to infants.
Specific target organ toxicity (STOT)	
Single Exposure: No endpoint data for the material.	Not expected to cause damage to organs after a single exposure.
Repeated Exposure: No endpoint data for material.	Not expected to cause damage to organs after prolonged or repeated exposure. Based on component rating.

SUBSTANCE TOXICITY

NAME	ACUTE TOXICITY
2,6- DI-TERT-BUTYL-P-CRESOL	Oral mortality: LD50 0.89 g/kg (Rat)

OTHER INFORMATION

About the product:

Concentrations of the components in this formulation are not expected to cause skin sensitization based on testing of the components, this formulation or similar formulations.

Contains :

Severely Refined Lubricant Base: Not carcinogenic in animal studies. Representative hardware passes Ames Modificada, IP-346 and/or other revisions. Dermatological and inhalation studies have shown minimal effects; non-specific infiltration of the lungs by immune cells, oil deposition and minimal granuloma formation. It is not sensitive in animal tests.

The following ingredients are cited in the lists below: None.



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--REGULATORY LISTS INVESTIGATIONS--

1 = NTP CARC 3 = CIRC 1 5 = CIRC 2B

2 = NTP SUS 4 = CIRC 2A 6 = OSHA CARC

SECTION 12 ECOTOXICOLOGICAL INFORMATION

The information given is based on data available for the material, material components and similar materials.

ECOTOXICITY

Material - Not expected to be harmful to aquatic organisms.

MOBILITY

Lubricant component - Low solubility, floats and is expected to migrate from water to land. Expected to partition to sediments and solids in wastewater.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Lubricant base component - Should be inherently biodegradable

POTENTIAL BIOACCUMULATION

Lubricating Base Component – This has the potential for bioaccumulation, however metabolism on physical properties may reduce bioconcentration or limit bioavailability.

SECTION 13 PRODUCT DISPOSAL INFORMATION

Disposal recommendations are based on material as supplied. Disposal should be in accordance with applicable laws and regulations and the characteristics of the material at the time of disposal.

DISPOSAL RECOMMENDATIONS

The product is suitable for combustion in a closed burner controlled for its combustible value or disposed of by supervised incineration at very high temperatures to avoid the formation of undesirable combustion products. Protect the environment. Dispose of used oil at designated sites. Minimize skin contact. Do not mix used oils with solvents, brake fluids or coolants.

REGULATORY INFORMATION ON DISPOSAL

RCRA Information: In our opinion, unused product is not specifically listed by the EPA (Environmental Protection Agency) as a hazardous waste (40 CFR, Part 261D), nor does its formula contain any materials listed as hazardous waste. It does not exhibit the hazardous characteristics of flammability, corrosivity or reactivity and is not formulated with contaminants as defined by the TCLP Toxic Characteristics Leaching Procedure. However, this product may be regulated.

Empty Container Warning Empty Container Warning (if applicable): Empty containers may retain residue and be hazardous. Do not attempt to fill or clean containers without proper instructions. Empty drums should be completely drained and stored in a safe place until reconditioned or properly disposed of. Empty containers should be recycled, recovered or disposed of by suitably qualified or authorized contractors and in accordance with official regulations. **DO NOT PRESSURIZE, CUT, WELD WITH HARD OR SOFT METAL, DRILL, WET OR EXPOSE THESE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY CAN EXPLODE AND CAUSE INJURY OR DEATH.**



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SECTION 14 TRANSPORT INFORMATION

BY LAND (DOT): Not regulated for ground transport

BY GROUND (TDG): Not regulated for ground transport

MARITIME (IMDG): It is not regulated for maritime transport according to the IMDG code

BY OCEAN (MARPOL Convention 73/78 - Annex II)

Not classified according to Annex II

AIR (IATA): Not regulated for air transport

SECTION 15 REGULATORY INFORMATION

This material is not considered hazardous according to the official Mexican NOM NOM-018-STPS-2015.

Listed or exempt from listing/notification in the following chemical inventories: AICS, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

The following ingredients are mentioned in the lists below

Chemical name	CAS number	Lists of quotes
DITIOPHOSPHATE DE ZINC	68649-42-3	15, 19

--LIST OF INVESTIGATION REGULATORS--

1 = ACGIH TODAS 6 = TSCA 5a2 11 = CA P65 REPRO 16 = MN RTK

2 = ACGIH A1 7 = TSCA 5e 12 = CA RTK 17 = NJ RTK

3 = ACGIH A2 8 = TSCA 6 13 = IL RTK 18 = PA RTK

4 = OSHA Z 9 = TSCA 12b 14 = LA RTK 19 = RI RTK

5 = TSCA 4 10 = CA P65 CARC 15 = MI 293

Code: CARC = Carcinogen; REPRO = Reproduction

SECTION 16 OTHER INFORMATION

N/D = Not Determined, N/A = Not Applicable

ENTER THE H-CODES COLLECTED IN SECTION 3 OF THIS DOCUMENT (for information only):

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1 H315: Causes skin irritation; Skin corrosion/irritation, Cat 2

H317: May cause an allergic skin reaction; Skin sensitization, Cat 1 H318: Causes serious eye damage; Serious eye damage/eye irritation, Cat 1 H400: very toxic to aquatic organisms; Acute environmental toxicity, Cat 1 H401: Toxic to aquatic organisms; Acute environmental toxicity, Cat 2

H410: Very toxic to aquatic organisms with long lasting effects; Chronic Environmental Toxicity, Cat 1

H411: Toxic to aquatic life with long lasting effects; Chronic Environmental Toxicity, Cat 2



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THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING CONTROLS:

Updates made in accordance with the implementation of EMS requirements.

The information and recommendations contained herein are, to the best knowledge and knowledge of Ciclusa, accurate and reliable as of the date of publication. You may contact Ciclusa to ensure that this is the most up-to-date document available from Ciclusa. The information and recommendations are provided for the consideration and review of users. It is up to the user, for his own satisfaction, to decide whether the product is suitable for his particular use. If the buyer repackages this product, it is the user's responsibility that the health, safety and other necessary information is included with and/or on the container. Adequate warnings and safe handling procedures should be provided to handlers and users. Modification of this document is strictly prohibited. Except legal provisions, the reproduction or the partial or total retransmission of this document is not authorized.
