



1. IDENTIFICATION

Name of the substance or mixture (trade name) IPIRANGA MOTO PERFORMANCE 10W30

Major recommended uses for the substance or mixture Lubricating oil for motorcycle engines

Company Name IPIRANGA PRODUTOS DE PETRÓLEO S.A.

Address Rua Monsenhor Manuel Gomes, 140 – São Cristóvão – RJ

Contact Phone 08000 253805

Emergency telephone number 0800 562023

2. HAZARDS IDENTIFICATION

Product classification Chemicals not classified as dangerous according to ABNT NBR 14725-2.

Appropriate labelling elements

GHS Symbol Not required.

Words of warning Not required.

Danger phrases Not required.

Precautionary phrases **General**

P103 Read the label before use.

Prevention:

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Reply

P370 + P378: In case of fire: Use for extinction (see item 5).

Storage

P403: Store in a well ventilated place.

Elimination

P501: delete the contents/container in accordance with local regulations (see item 13)

Other hazards which do not result in a classification Has no other dangers.

NFPA 704

3. COMPOSITION AND INFORMATION ON INGREDIENTS
Chemical

This product is a mixture.

Common chemical name or generic name

Lubricating oil. The components are trade secret

4. FIRST AID MEASURES
Inhalation

Remove the product immediately from further exposure. For those providing assistance, avoid exposure and others to expose. Use adequate respiratory protection. If irritation of the throat, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation

Eyes

Wash with water. If irritation occurs, seek medical attention.

Skin

Usually, first aid is not needed. Seek medical attention if discomfort occurs.

ingestion

Usually, first aid is not needed. Seek medical attention if discomfort occurs.

Most important symptoms and effects, both acute and delayed

Eyes: May cause mild eye discomfort, short-lived. Skin: Skin irritation Negligible at room temperature.

Note to physician

Symptomatic treatment

5. FIRE FIGHTING MEASURES
Extinguishing material

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames. It does not apply water jet directly on the product in flames as it may spread and increase fire intensity.

specific Dangers

Smoke, Fume, Aldehydes, Sulphur oxides, Incomplete combustion products, Oxides of carbon.

Protective Measures Team

Firefighters: Use self-contained breathing appropriate clothing and equipment for firefighting. Do not enter confined without proper protective equipment (PPE) areas,



MATERIAL SAFETY DATA SHEET - MSDS

MSDS N°

171

Date last

revised:

01/07/2015

IPIRANGA MOTO PERFORMANCE 10W30

firefighting

this should include respirators for protection against hazardous products of combustion or the lack of oxygen effects.

Isolate the hazard area and prohibiting the entry of persons. In case of fire use water spray to cool containers exposed to fire. Keep safe distance from the flames to avoid burns by irradiation. Use extinguishing processes that preserve the environment

6. MEASURES SPILL OR LEAK

Personal precautions, protective equipment and emergency procedures.

For personnel that is not part of the emergency services Isolate the area within a radius of 100 meters, at least in all directions and away the curious. Use clothing, gloves and eye protection. Do not touch, stay or walk through spilled material. Stay out of low areas and in position to keep the wind from behind.

To the staff of the emergency service Use impervious protective clothing and chemical resistant. Provide grounding of all equipment to be used in handling the spillage. Eliminate all possible sources of ignition such as open flames, hot elements without insulation, electrical or mechanical sparks, cigarettes, electric circuits, etc. Prevent the use of any action or procedure causing the generation of sparks or flames.

Environmental precautions Isolate the area of the accident. Prevent the spread of spilled material, avoiding contamination of rivers and springs. Shut off leak, if possible, avoid contact with skin and clothing. Never dispose of spilled material to sewers. Spills should be reported to the manufacturer and / or environmental agencies.

Methods and materials for containment and cleaning Absorb with inert absorbent material (sand, diatomite, vermiculite). Collect all the material in suitable and properly labeled containers for subsequent treatment and disposal

Waste must be disposed of according to local, state or federal environmental laws.

7. HANDLING AND STORAGE

Precautions for safe handling No smoking in the workplace.
In places where chemical products are handled should monitor the exposure of workers as PPRA (Environmental Risk Prevention Program) from NR-9.

Handle in accordance with good industrial hygiene and safety practice. Storage facilities and use must be equipped with eyewash facility and a safety shower. The clothing and PPE should always be cleaned and checked before use. Always use for personal hygiene water, soap and cleaning creams. Operating procedures and good industrial hygiene help reduce the risk in handling chemicals.

Conditions for safe storage, including any incompatibilities Store in a covered, dry and airy. Protect containers from physical damage. Use and store with adequate ventilation.

Incompatible materials: Strong oxidizers.

Keep container tightly closed when not in use. Such containers should not be reused for other purposes and must be arranged in appropriate locations.



MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°

171

Date last

revised:

01/07/2015

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control Parameters	When mists or aerosols can occur, the following are recommended: 5 mg / m ³ - ACGIH TLV (inhalable fraction) 5 mg / m ³ OSHA PEL
Engineering Control Measures	Ensure adequate ventilation, especially in confined areas.
Personal protection	
respiratory Protection	If the controls carried out by local engineering do not maintain concentrations of contaminants from air to a level which is adequate to protect worker health, it may be appropriate to use an approved respirator. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include. No special requirements under ordinary conditions of use and with adequate ventilation. For high airborne concentrations, use an approved respirator with air supply, operated so that the pressure is positive. You can use respirators with air supply with exhaust cylinder when oxygen levels are inadequate, or there is danger of formation of gas / vapor, or if air purifying filter capacity is excessive.
Hand Protection	Any specific glove information provided is based on published literature and glove manufacturer data. The right kind of gloves and their durability will differ depending on the specific conditions of use. Contact the manufacturer of the gloves for specific information about choosing gloves and durability. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include: Normally, no protection is required under normal conditions of use.
Eye protection / face	If there is a possibility of contact, we recommend the use of safety glasses with side shields.
Protection for skin	Any specific clothing information is based on published literature and data provided by manufacturers. The types of clothing to be considered for this material include: In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. No protection is normally required for the skin, within the normal conditions of use.

9. PHYSICAL AND CHEMICAL

Aspect	Liquid
(physical state, shape, color)	Color L 2,0
Odor	Characteristic
pH	Not available
Melting / freezing point	Not available
Initial boiling point and boiling temperature range	Not available
Flash Point	240°C
Evaporation rate	Not available
Flammability (solid, gas)	Not available



MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°
171
Date last
revised:
01/07/2015

Lower Limit / Upper Flammable or explosive	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Relative density	0,8569 g/cm ³ @ 20/4°C
Solubility (s)	In Water: Negligible
Coefficient of Participation - n-octanol/water	Not available
Autoignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	68,84 cSt @ 40°C 12,50 cSt @ 40°C
Pour point	-21
TBN	6,5 mgKOH/g

10. STABILITY AND REACTIVITY

reactivity	Not available
chemical Stability	Stable under normal handling and storage conditions.
Possibility of Hazardous Reactions	Not available
Conditions to avoid	Excessive heat. High energy sources of ignition.
incompatible materials	Strong oxidizers.
Hazardous Decomposition Products	Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Inhalation: Toxicity (Rat): LC50> 5000 mg / m ³ : - Minimally Toxic. Based on test data for structurally similar materials. Irritation: No end point data for the material. Negligible risk when handled in ambient or normal temperatures. Irritation (Rats): Minimum Risk ace environments and normal handling temperatures. Based on test data for structurally similar materials. Ingestion:
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MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°

171

Date last

revised:

01/07/2015

Toxicity (Rat): LD50> 5000 mg / kg - Minimally Toxic. Based on test data for structurally similar materials.

Skin:

Toxicity (Rabbit): LD50> 5000 mg / kg. Minimally Toxic. Based on test data for structurally similar materials.

Irritation (rabbits): Small skin irritation at room temperature. Based on test data for structurally similar materials.

Eyes:

Irritation (Rabbits): May cause mild eye discomfort, short-lived. Based on test data for structurally similar materials.

Corrosion / irritation to the skin Not rated

Serious eye damage / eye irritation Not rated.

Respiratory or skin sensitization Not rated.

Germ cell mutagenicity Not rated.

carcinogenicity Not rated.

Toxicity reproduction Not rated

Organ toxicity specific target - single exposure Not rated

Organ toxicity specific target - repeated exposure Not rated.

Aspiration hazard Not rated.

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is practically non-toxic to aquatic organisms, but can cause physical violation of aquatic organisms

Persistence / degradability It is not biodegradable. The product contains components which remain in the environment.

Bioaccumulative potential The product has potential for bioaccumulation.

Mobility in soil Product in the liquid state under most ambient conditions, low solubility in water, pouring occur to a body of water, the product will float and spread through the movement of water. In contact with the ground to present less mobility will be adsorbed particles.

Other adverse effects The shedding of large volumes of basic lubricants in the water will result in a non-dissolved oil film on the surface, affecting the exchange of air across the surface, resulting in decreased amount of dissolved oxygen.



MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°

171

Date last

revised:

01/07/2015

13. CONSIDERATIONS FOR FINAL DESTINATION

Recommended methods for disposal Never discharge into drains or the environment. Product residues should be disposed of in accordance with federal, state and local regulations for health and the environment, and current applicable: ABNT-NBR 10.004/2004 and ABNT-NBR 16725.

Used packaging: His willingness to comply with all applicable health and environmental regulations, obeying the same criteria applicable to products.

14. TRANSPORT INFORMATION

RTPP – Res 420/04 ANTT | IMDG / DPC / ANTAQ | ICAO-TI / IATA-DGFT / ANAC

Product not framed in the resolution into effect on transport of dangerous goods

Other transport information: Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and the measures to take in case of an accident or emergency. Before transporting product containers ensure that they are firmly secured. In each fractional transport container should be properly identified, carrying the labeling required by DOT.

15. REGULATORY INFORMATION

Ordinance No. 229, 2011/MTE (amending Norm "NR 26" which comes Signaling Security).

Decree 2.657/1998 - promulgates the Convention No. 170 of the ILO concerning the safe use of chemicals at work, signed at Geneva on 25 July 1990.

Decree No. 2657 of 1998 (ratified in Brazil Convention No. 170 of the ILO).

Environmental Crimes Law 9.605/1998.

Law 8.098/1990 Code of Consumer Protection.

Regulatory requirements are subject to change and may differ from one region to another, it is the user's responsibility to ensure that their activities comply with local, federal, state and municipal.

CONTROLLED PRODUCT: Not applicable.

16. OTHER INFORMATION

Prepared by

Via Brazil consultancy in transportation of dangerous goods



MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°

171

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"This material safety data sheet for chemical products has been developed in accordance with the guidelines of the NBR 14725 issued by ABNT-Brazilian Association of technical standards. The information contained in this MSDS represents current data and accurately reflect our best knowledge about the appropriate handling of this product under normal conditions and according to the recommendations given on the packaging and in the technical literature. Considering the variety of factors that may affect processing and application, the information contained in this fact sheet does not disclaim liability processors to run their own tests and experiments. Any other use of the product involves the combined use with another product, or that use case other than indicated, is the sole responsibility of the user. "

REFERENCES:

[ABNT NBR 14725-2] - Danger Rating System – GHS

[RESOLUTION No. 420 / 04 ANTT] Agency National Transportation - Supplementary Instructions Approves the Regulation of Land Transportation of Dangerous Goods.

[HSNO] NEW ZEALAND. HSNO Chemical Classification and Information Database (CCID)

[ECHA] European Union. ECHA European Chemical Agency

TERRESTRIAL (RAILWAYS, ROADS): National Land Transport Agency (ANTT);

WATERWAYS (SEA, river, lake): International Maritime Dangerous Goods Code - Code (IMDG Code); Standard -5 Directorate of Ports and Coasts of the Navy Department (CPD): National Agency for Waterway Transportation (ANTAQ);

AIR: International Civil Aviation Organization - Technical Instructions (ICAO -TI). International Air Transport Association - Dangerous Goods Regulations (IATA - DGFT); National Civil Aviation Agency (ANAC).

* Abbreviations:

NA: Not Applicable.

NA: Not available.

OSHA: Administration of Occupational Safety and Health.

LD50: lethal dose for 50% of the infected population.

LC50: Lethal concentration for 50 % of the infected population.

CAS: Chemical Abstracts Service.

TLV - TWA: is the weighted average concentration allowed for a journey of 8 hours of work.

TLV - STEL: is the exposure limit short - term maximum allowable concentration for continuous exposure of 15 minutes

ACGIH is an organization of personnel from government agencies or educational institutions engaged in programs of occupational health and safety.

ACGIH: develops and publishes exposure limits for hundreds of chemical substances and physical agents.

PEL: maximum allowable concentration of contaminants in air, to which most workers may be repeatedly exposed 8 hours daily, 40 hours a week during the work period (30 years), no adverse health effects.

OSHA: U.S. federal agency with authority to regulatory and compliance provisions in the area of safety and health for industries and businesses in the USA.

IMDG: International Maritime Code for Dangerous Goods - international code for the transport of hazardous materials by sea.

PNEC: Predicted No Effect Concentration.

ILO - International Labour Organization.

MTE - Ministry of Labour and Employment.



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IPIRANGA MOTO PERFORMANCE 10W30

MSDS N°
171
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