

SAFETY DATA SHEET

Product: IPIRANGA BRUTUS ALTA PERFORMANCE 15W40

Revision: 03

Date: 04/26/2022

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1 - IDENTIFICATION

GHS Product identifier: IPIRANGA BRUTUS ALTA PERFORMANCE 15W40

Other means of identification: 312369

Recommended use of the chemical: Automotive engines.

Specific restrictions on use: There are not known restrictions on use of the product.

Supplier's details: ICONIC Lubrificantes S.A.

Address: Avenida das Américas, 3434, Bloco 2, 7o andar, Barra da Tijuca CEP: 22640-102, Rio de Janeiro - RJ - BR

Phone number(s): Central Ipiranga: 3003 3451 – capitais e regiões metropolitanas / 0800 720 5356 – demais regiões

Emergency phone number: 0800 110 82 70 Pró-Química

2 - HAZARD IDENTIFICATION

Classification of the substance or mixture: Product not classified as hazardous by the Classification System used.

Classification system adopted: Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

GHS label elements, including precautionary statements

Caution: Wash your hands after handling the product.

Recommendations: During handling of the product do not drink, eat or smoke.
It is recommended the use of appropriate PPE when handling the product.
Get product information before handling.
Store product in a suitable place.
In case of emergency, proceed as directed by the SDS.

Other hazards which do not result in classification: The product has no other hazards.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Components contributing to the hazard: Mineral oil (CAS Not applicable): 4.63 - 5.66 %¹.

¹The ingredient does not contribute to the hazard but has an established occupational exposure limit, according to section 8.

4 - FIRST-AID MEASURES

Routes of exposure

Inhalation: Remove victim to fresh air.

Skin: Wash exposed skin with sufficient amount of water to remove the material.

Eye: Wash carefully with water for several minutes. In case of use of contact lenses, remove them, if

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Ingestion:	possible. Keep washing. If eyes irritation continues: Contact a doctor. Bring this SDS. Do not induce vomiting. Wash the exposed persons mouth with wate. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.
Most important symptoms/effects, acute and delayed:	There are not expected effects and symptoms after exposure to the chemical.
Indication of immediate medical attention and special treatment needed, if necessary:	If necessary, provide symptomatic treatment.

5 - FIRE-FIGHTING MEASURES

Extinguishing Media:	Appropriate: carbon dioxide (CO ₂), foam, water mist and powder. Inappropriate: water jet directly.
Specific hazards arising from the chemical:	The combustion of the chemical containers may form toxic and irritant gases such as carbon monoxide and carbon dioxide. Vapors may be heavier than air and tend to accumulate in low or confined areas, such as sewers and basements. Containers may explode if heated.
Special protective actions for fire-fighters:	Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Do not smoke. Avoid exposure to the product. If necessary, use personal protective equipment as described in Section 8.
For emergency responders:	Wear complete PPE with safety glasses, safety gloves, suitable protective clothing and closed shoes. In case of leakage, where exposure is high, it is recommended to use a suitable respiratory protection mask.
Environmental precautions:	Avoid that the spilled material reaches waterways or sewage system.
Method and materials for containment and cleaning up:	Use water mist or vapor suppressing foam to reduce the dispersion of vapors. Use natural barriers or spill containment. Collect spilled material and put it into containers. Adsorb the remaining product with dried sand, vermiculite or any other inert material. Put the adsorbed material in appropriate containers and remove them to a safe place. Use tools that do not cause sparks to collect absorbed material.

7 - HANDLING AND STORAGE

Precautions for safe handling

Safe handling of the substance or mixture:	Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid vapors and mists formation.
General hygiene:	Wash hands and face thoroughly after handling and before eating, drinking, smoking or going to the bathroom.

Conditions for safe storage, including any incompatibilities

Technical measures for prevention of fire and explosion:	It is not expected that the product presents a fire or explosion hazard. Use personal protective equipment as described in Section 8.
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Adequate conditions:	Store in a well ventilated place away from sunlight. Keep container closed. Keep away from high temperatures. Store at 5 to 30 °C (41 to 86 °F).
Packaging compatibilities:	Similar to the original packaging.
Inadequate packaging materials:	There are not known unsuitable material of the product.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit:	The values below apply to workplaces. - <u>Mineral oil:</u> OSHA - PEL - TWA: 5 mg/m ³ ; NIOSH - REL - TWA: 5 mg/m ³ ; NIOSH - REL - STEL: 10 mg/m ³ ; ACGIH - TLV - TWA: 5 mg/m ³ (I). I: Inhalable particulate matter.
Biological limit:	Not established.
Other limits and values:	Not established.
Appropriate engineering controls:	Promote mechanical ventilation and exhaust system to outside. These acts help reducing the exposition to the product. Maintain atmospheric concentrations of the constituents of the product below occupational exposure limits indicated.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:	Panoramic splash goggles.
Skin protection:	Appropriate protective clothing and non-slip shoes. Resistant chemicals gloves.
Respiratory protection:	A risk assessment should be performed for proper definition of respiratory protection, in view of the product use conditions.
Thermal hazards:	It does not present thermal hazards.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Liquid, viscous.
Color:	Color L 4.5.
Odour:	Characteristic.
Melting point/freezing point:	Not available.
Boiling point or initial boiling point and boiling range:	Not available.
Flammability:	Not flammable.
Lower and upper explosion	Not available.

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limit/flammability limit:

Flash point: 226 °C (438.8 °F) - Closed cup.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

pH: Not available.

Kinematic viscosity: Kinematics: 107 mm²/s at 40 °C (104 °F).

Solubility(ies): Water immiscible. Miscible in hydrocarbons.

Partition coefficient n-octanol/water (log value): Not available.

Vapour pressure: Not available.

Relative vapour density: Not available.

Density and/or relative density: Not available.

Particle characteristics: Not applicable.

Other information: Absolute density: 0.8716 g/cm³ at 20 °C (68 °F).
Kinematic viscosity: 14.6 mm super 2 super0 / s at 100 ° C.
Pour point: - 36 °C.
TBN: 10.7 mg KOH / g.

10 - STABILITY AND REACTIVITY

Reactivity: Reactivity is not to be expected under normal conditions of temperature and pressure

Stability: Product is stable under normal conditions of temperature and pressure.

Possibility of hazardous reactions: There are not known hazardous reactions with the product.

Conditions to avoid: Elevated temperatures. Contact with incompatible materials. Ignition sources and flames.

Incompatible material: Strong Oxidizing agents.

Hazardous decomposition products: Decomposition of the product can generate carbon oxides, sulfur oxides and metal oxides.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity: Product not classified as acute toxic by oral and dermal.
LD₅₀ Oral (rats): > 5000 mg/kg.
LD₅₀ Dermal (rabbits): > 5000 mg/kg.

Skin corrosion/irritation: It is not expected that the product causes skin irritation.

Serious eye damage/irritation: It is not expected that the product causes eye irritation.

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Respiratory or skin sensitization:	It is not expected that the product presents respiratory or skin sensitization.
Germ cell mutagenicity:	It is not expected that the product presents germ cell mutagenicity.
Carcinogenicity:	Not classified for Carcinogenicity. The product is not expected to exhibit carcinogenicity.
Reproductive toxicity:	It is not expected that the product presents reproductive toxicity.
STOT - Single exposure:	It is not expected that the product presents specific target organ toxicity by single exposure.
STOT - Repeated exposure:	It is not expected that the product presents specific target organ toxicity by repeated exposure.
Aspiration Hazard:	It is not expected that the product presents aspiration hazard.

12 - ECOLOGICAL INFORMATION

Toxicity:	It is not expected that the product presents ecotoxicity.
Persistence and degradability:	It is not expected that the product presents persistence and degradability.
Bioaccumulative potential:	Presents low bioaccumulative potencial in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	The release of large amounts of product may cause undesirable environmental effects, such as decreased oxygen availability in aquatic environments due to the formation of oily layer on the surface, coating and consequent suffocation of animals.

13 - DISPOSAL CONSIDERATIONS

Disposal methods

Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product.
Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.

14 - TRANSPORT INFORMATION

Road:	UN - United Nations: Model Regulations: <ul style="list-style-type: none">• Recommendations on the Transport of Dangerous Goods.
Railway regulations:	COTIF - Convention concerning International Carriage by Rail: <ul style="list-style-type: none">• Appendix C: RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
Sea:	IMO - International Maritime Organization: <ul style="list-style-type: none">• IMDG Code - International Maritime Dangerous Goods Code.
Air:	IATA - International Air Transport Association: <ul style="list-style-type: none">• DGR - Dangerous Goods Regulation.
UN number:	Not classified as hazardous to transport in different modals.
Special precautions for user:	Not applicable.

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15 - REGULATORY INFORMATION

Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990.

16 - OTHER INFORMATION

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

Elaborated January 2022.

Change Control:

Version	Elaboration	Changes
03	01/24/2022	Change in composition. Change in section: 1, 8, 9, 11, 14 and 16.

Abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists;
CAS - Chemical Abstracts Service;
EC - European Community;
EEC - European Economic Community;
IARC - International Agency for Research on Cancer;
LD₅₀ - Lethal Dose 50%;
NIOSH - National Institute for Occupational Safety and Health;
OSHA - Occupational Safety & Health Administration;
PEL - Permissible Exposure Limit;
REL - Recommended Exposure Limit;
STEL - Short Term Exposure Limit;
TLV - Threshold Limit Value;
TWA - Time Weighted Average;
UN - United Nations.

Bibliographic references:

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 8th rev. ed. New York: United Nations, 2019.

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2020.

ECHA - EUROPEAN CHEMICAL AGENCY. Available at: < <http://echa.europa.eu/web/guest> >. Access in: Jan. 2022.

GESTIS - SUBSTANCE DATABASE. Available at: < [http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates\\$fn=default.htm\\$3.0](http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates$fn=default.htm$3.0) >. Access in: Jan. 2022.

HSDB - HAZARDOUS SUBSTANCES DATA BANK. Available at: <http://pubchem.ncbi.nlm.nih.gov/>. Access in: Jan. 2022.

In accordance with Globally Harmonized System of
Classification and Labelling of Chemicals (GHS)- Chapter 1.5
and Annex 4

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IPCS - INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY - INCHEM. Available at: <http://www.inchem.org/>. Access
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IUCLID - INTERNATIONAL UNIFORM CHEMICAL INFORMATION DATABASE. [S.1.]: European chemical Bureau. Available
at: <http://ecb.jrc.ec.europa.eu>. Access in: Jan. 2022.

NIOSH - NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available at:
<http://www.cdc.gov/niosh/>. Access in: Jan. 2022.

REACH - REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS. Commission Regulation
(EC) No 1272/2008 of December 2008 amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending
Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization
and Restriction of Chemicals. Available at: < [http://eur-
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TOXNET - TOXICOLOGY DATA NETWORKING. ChemIDplus Lite. Available at: <http://chem.sis.nlm.nih.gov/>. Access in: Jan.
2022.