



MATERIAL SAFETY DATA SHEET - MSDS

IPIRANGA ULTRAGEAR 85W140

MSDS N°

145

Date last revised:

12/06/2017

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1. IDENTIFICATION

Name of the substance or mixture (trade name) IPIRANGA ULTRAGEAR 85W140

Major recommended uses for the substance or mixture Lubricant

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

Email canaldireto@ipiranga.com.br

2. HAZARDS IDENTIFICATION

Product classification Chemical not classified as hazardous according to NBR 14725-2

Appropriate labelling elements

GHS Symbol Not required

Words of warning Not required

Danger phrases Not required

Precautionary phrases **General**

P103 Read label before using the product.

Prevention:

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink and smoke while using this product.

Reply

P370 + P378 In case of fire: To the extinction see item 5.

Storage

P403 Store in a well-ventilated place.

Elimination

P501 Dispose of contents / container in accordance with local regulations (see section 13).



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

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Nature of the chemical product: This product is a mixture.

Common chemical name or generic name: Lubricant

Ingredients contributing to the danger:

Component	Concentration (%)	N° CAS
Mineral oils *	-	Industrial Secret

* The Ingredient is not classified as dangerous according to ABNT NBR 14725-2

4. FIRST AID MEASURES

Inhalation	Remove exposed person to fresh air.
Eyes	Rinse thoroughly with water for several minutes. If contact lenses are used, remove them if it is easy. If eye irritation occurs: Get medical advice / attention. Take this MSDS.
Skin	Wash exposed skin with sufficient amount of water to remove material.
ingestion	Do not induce vomiting. Wash out mouth with water. If you feel unwell, contact a POISON CENTER or doctor. Take this MSDS.
Most important symptoms and effects, both acute and delayed	Inhalation: Inhalation of product mists may cause slight irritation of the respiratory tract with cough, sore throat and shortness of breath. Skin: May cause slight irritation to skin with redness. Repeated and prolonged contact may cause dermatitis.
Note to physician	If necessary, provide symptomatic treatment.

5. FIRE FIGHTING MEASURES

Extinguishing material	Compatible with chemical dust, carbon dioxide (CO ₂) and water mist. Do not spray directly on the burning product as it may spread and increase the intensity of the fire.
Specific hazards of the substance or mixture	Combustion of the chemical or its packaging may form irritating and toxic gases such as hydrogen sulphide, monoxide and carbon dioxide.



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Protective Measures	Team	Firefighters: Use self-contained breathing appropriate clothing and equipment for fire fighting. Do not enter confined areas without proper protective equipment (PPE); this should include respirators to protect against the hazardous effects of combustion products or oxygen deficiency.
firefighting		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 spill or leak area within a radius of at least 50 meters in all directions. Wear clothing, gloves and eye protection. Do not touch, stand or walk on spilled product. Avoid low areas. Move away from the site of the leak keeping it positioned in the wind (with your back to the wind) to avoid contamination.

To the staff of the emergency service Use EPI. In case of fire: Provide for the grounding of all equipment that will be used to handle the spilled product. Eliminate all possible sources of ignition, such as open flames, hot elements without insulation, electric or mechanical sparks, cigarettes, electrical circuits, etc. Prevent the use of any action or procedure that causes the generation of sparks or flames.

Environmental precautions Isolate the area of the accident. Do not allow product to reach ground water, water course or sewage system. Rinse spill if possible, avoiding contact with skin and clothing. Never dispose of spilled material into sewers. Leaks should be reported to the manufacturer and / or the environmental agencies.

Methods and materials for containment and cleaning Use dikes or natural barriers to contain the product leakage. Absorb with inert absorbent material (sand, diatomite, vermiculite). If it is possible to seal the leak using bungs, sealing strap or by inverting the hole / tear / kneading upwards. Collect all material in suitable containers and properly labeled for further treatment and disposal. Waste should be disposed of in accordance with local, state, or federal environmental legislation. For overflow check an appropriate location and perform the safety procedures described above.

7. HANDLING AND STORAGE

Precautions for safe handling Do not smoke in the workplace.

In the places where chemicals are handled, the monitoring of workers' exposure must be carried out, according to NPR-9 Environmental Risk Prevention Program (PPRA).

Handle in accordance with good industrial hygiene and safety practice. Storage and use facilities must be equipped with eye wash facilities and a safety shower. Clothing and PPE's should always be cleaned and checked before use. Always use soap, water and cleansing creams for personal hygiene. Good industrial hygiene and operating procedures help reduce the risk of handling chemicals.

Conditions for safe storage, Store in a covered, dry and ventilated area. Protect packaging from physical damage. Use and store with adequate ventilation. Ground container container and product



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including any incompatibilities receiver during shipment. Only use anti-sparking tools. Avoid the accumulation of electrostatic charges. Use explosion-proof electrical, ventilation, and lighting equipment.

Incompatible Materials: Strong oxidizing agents such as peroxides, chlorates and nitrates.

Keep container tightly closed when not in use. These containers shall not be reused for other purposes and shall be disposed of in suitable places

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control Parameters	Occupational exposure limits Mineral oil: ACGIH / TWA: 5 mg / m ³ .
Engineering Control Measures	Ensure adequate ventilation, especially in confined areas.
Personal protective measures	
respiratory Protection	It is recommended to use an organic fog filter respirator for medium exposures above half of the TLV-TWA. In cases where exposure exceeds 3 times the TLV-TWA value, use full-facepiece air-supplied self-contained breathing apparatus (SCBA) operated in positive pressure mode. Follow guidance from the Respiratory Prevention Program (PPR), 3rd ed. São Paulo: Fundacentro, 2002.
Hand Protection	Protective PVC gloves.
Eye protection / face	Goggles or face shield against splashes.
Protection for skin	Safety shoes and waterproof apron.
Thermal hazards	Does not have.

9. PHYSICAL AND CHEMICAL

Aspect	Liquid
(physical state, shape, color)	Color L 4.0
Odor and odor threshold	Characteristic
pH	Not available
Melting / freezing point	Not available
Initial boiling point and boiling temperature range	Not available
Flash Point	230°C
Evaporation rate	Not available



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Flammability (solid, gas)	Not available
Lower Limit / Upper Flammable or explosive	Not applicable
Vapor Pressure	Not available
Vapor Density	Not available
Density	0,9057 g/cm ³ @ 20/4°C
Solubility (s)	In water: Insoluble. Soluble in non-solvent solvents
Coefficient of Participation - n-octanol/water	Not available
Autoignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	342,5 cSt @ 40°C 25,73 cSt @ 100°C
Pour point	-21°C

10. STABILITY AND REACTIVITY

Reactivity	Not available
Chemical Stability	Stable under normal conditions of handling and storage
Possibility of Hazardous Reactions	No dangerous reactions known to the product.
Conditions to avoid incompatible materials	High temperatures and contact with incompatible materials. Strong oxidizing agents such as peroxides, chlorates and nitrates.
Hazardous Decomposition Products	When heated can release hydrogen sulfide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	- Mineral oil mist: LD50 (skin, rabbits):> 5000 mg / kg LD50 (oral, rats):> 25000 mg / kg
Corrosion / irritation to the	Not Classified



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skin

Serious eye damage / eye irritation Not Classified

Respiratory sensitization or skin Not Classified

Germ cell mutagenicity According to IPIECA, petroleum products that have a mutagenicity index of > 1.0 are considered to be potentially mutagenic. Mutagenicity: Mutagenicity index - Ames test: 0.21.

Carcinogenicity The product is not expected to be carcinogenic. According to IPIECA, petroleum products that result in IP 346 > 3% (w / w) are considered to be potentially carcinogenic to the skin. Content of polycyclic aromatic hydrocarbons - IP-346: 0,5%.

Toxicity reproduction The product is not expected to be reproductive toxicity.

Organ toxicity specific target - single exposure Not Classified

Organ toxicity specific target - repeated exposure Not Classified

Aspiration hazard Not Classified

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to present a hazard to aquatic organisms.
LC50 (Daphnia magna, 48h): > 1000 mg / L

Persistence / degradability Due to the lack of data, the product is expected to persist and not be rapidly degraded.

Bioaccumulative potential It has low bioaccumulative potential in aquatic organisms. Log kow: 3.9 - 6.0 (estimated value) BCF: 132 (estimated value).

Mobility in soil Data is not evaluated.

Other adverse effects The release of large quantities 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. CONSIDERATIONS FOR FINAL DESTINATION



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Recommended methods for disposal

Treatment and disposal should be evaluated specifically for each product. federal, state and local laws should be consulted, among them: Law No. 12.305 of 02 August 2010 (National Policy on Solid Waste).

Keep the product remains in their original packaging, sealed and in metal drums, tightly closed, in accordance with applicable law. Disposal should be carried out as established for the product, being recommended processing routes in cement and incineration.

Notice Packaging

Never reuse empty containers because they may contain residues of the product and should be kept closed and sent to be destroyed in an appropriate place. In this case, it is recommended sending to recovery routes of drums or incineration.

14. TRANSPORT INFORMATION

Res 5232 ANTT | IMDG / DPC / ANTAQ | ICAO-TI / IATA-DGFT / ANAC

Not classified as hazardous for transport as above regulations.

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 risks of load and the measures to be taken in case of accident or emergency. Before transporting product containers ensure that they are firmly secured. Transportation fractionated each container must be properly identified, carrying the expected labeling standard.

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, igned 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.

16. OTHER INFORMATION

Prepared by

Via Brazil consultancy in transportation of dangerous goods



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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. 5232/16 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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