



MATERIAL SAFETY DATA SHEET
According to Regulation Act (EC) No. 1907/2006

Rubia Mini Plus 15W-40

Date of previous version
21 November 2016

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product Name	Rubia Mini Plus 15W-40
Substance / Mixture	Mixture
Synonyms	Hydrocarbons
C.A.S. No.	
Hazchem No.	

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified Uses

1.3. Details of the supplier of the safety data sheet

Supplier	TOTAL OIL INDIA PVT. LTD., Lubricants Division The Leela Galleria, 3rd Floor Andheri Kurla Road Andheri East, Mumbai 400 059 India
Emergency telephones :	+ 91 022 66407700
Fax :	+ 91 022 66407720

SECTION 2: HAZARDS IDENTIFICATION

The preparation is non-dangerous in accordance with Directive 1999/45/EC.

Classification	The substance/mixture is non-dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments.
Symbol(s)	
Most Important Hazards	
Health effects	May produce an allergic reaction.
Environmental effects	Should not be released into the environment.
Physical-Chemical hazards	Contaminated surfaces will be extremely slippery.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION

Chemical Nature	Petroleum-derived severely refined mineral-base product in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP 346, is less than 3%
Substances contributing to hazards	Petroleum distillate hydro treated CAS 64742-46-7 (Xn-R65)... max 18%
Impurities contributing to hazards	None to our knowledge

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Chemical Name	EC No.	REACH registration no.	CAS No.	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
zinc bis [O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	298-577-9		93819-94-4	1-2		

Additional information Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.
 For the full text of the R-phrases mentioned in this Section, see Section 16.
 For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

General advice	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin Contact	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact	Severely irritating to eyes
Skin Contact	Not classified.
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically
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SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media	Carbon dioxide (CO ₂). ABC powder. Foam. Water spray or fog.
Unsuitable Extinguishing Media	Do not use solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special Hazard	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
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5.3. Advice for fire-fighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
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Other information

Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.



SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General Information

Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

6.2. Environmental precautions

General Information

Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up

Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Personal Protective Equipment

See Section 8 for more detail.

Waste treatment

See section 13.

SECTION 7: HANDLING & STORAGE

7.1. Precautions for safe handling

Advice on safe handling

When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion

Take precautionary measures against static discharges: Ground/bond containers, tanks and transfer/receiving equipment.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work wear pockets.



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7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions	Keep away from food, drink and animal feeding stuffs. Keep in a bounded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.
Materials to Avoid	Strong oxidizing agents.

7.3. Specific end uses

Specific use(s)	No information available.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits	USA: OSHA (PEL) TWA 5 mg/m ³ , NIOSH (REL) TWA 5 mg/m ³ , STEL 10 mg/m ³ , ACGIH (TLV) TWA 5 mg/m ³ (highly refined)
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Legend	TWA Time Weight Average
	STEL Short Time Exposure Limit
	+ Sensitizer
	* Skin designation
	** Hazard Designation
	C Carcinogen
	M Mutagen
	R Toxic to reproduction

8.2. Exposure controls

Occupational Exposure Controls

Engineering Measures	Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.
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Personal Protective Equipment

General Information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.
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Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapor / particulate (EN 14387). Type A/P2. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.
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Eye Protection	If splashes are likely to occur, wear Safety glasses with side-shields.
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Skin and body protection	Wear suitable protective clothing. Protective shoes or boots. Long sleeved clothing.
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Hand Protection	Hydrocarbon-proof gloves: Fluorinated rubber, Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts,
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abrasion, and the contact time. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Environmental exposure controls

General Information

The product should not be allowed to enter drains, water courses or the soil.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color

Physical State at 20°C

Odor

No information available

Property	Values	Remarks	Method
pH		Not applicable	
Boiling point		Not applicable	
Flash point	Min. 220		Cleveland Open Cup (COC)
Evaporation Rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Density	875 kg/m ³	@ 15 °C	
Water solubility		Not applicable	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		Not applicable	
Viscosity, kinematic	105	@ 40 °C	
	12.5 – 16.3 cSt	@ 100 °C	
Explosive properties	Not explosive		
Oxidizing Properties		Not applicable	
Possibility of hazardous reactions		Not applicable	

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

General Information

No information available.

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Repeated Dose Toxicity

Subchronic toxicity No information available.

Target Organ Effects (STOT)

Target Organ Effects (STOT) No information available.

Other information

Other adverse effects Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified.

An additive present in the composition of this product would require a classification, however available experimental data indicate that no classification is required.

Acute aquatic toxicity - Product Information

No information available.

Chronic aquatic toxicity - Product Information

No information available.

Effects on terrestrial organisms

No information available.

12.2 Persistence and degradability

General Information

No information available.

12.3 Bioaccumulative Potential

Product Information No information available.

logPow No information available

12.4 Mobility in soil

Soil With its physio-chemical properties, the product shows low soil mobility.

Air Loss by evaporation is limited.

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Water Insoluble. The product spreads on the surface of the water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

General Information No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products Should not be released into the environment. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a licensed waste oil facility. Incorrect disposal of used oil poses a risk to the environment. Mixture with other waste types such as solvents, brake- and cooling liquids is forbidden.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

EWC Waste Disposal No. The following Waste Codes are only suggestions: 13 02 05. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

UN Number	unregulated
Road(ADR)/Rail(RID)/River(ADNR)	Not restricted for transport
Marine (IMO-IMDG)	Not restricted for transport
Airline (ICAO / IATA)	Not restricted for transport

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

International Inventories No information available

15.2. Chemical Safety Assessment

Chemical Safety Assessment No information available



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SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R38 - Irritating to skin

R43 - May cause sensitization by skin contact

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Disclaimer

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the safety data sheet