



SAFETY DATA SHEET



PRODUCT LABELS

Labelling (Standard or EU)	: Standard
Symbols	: Xn – Harmful
R phrases	: R 65 – Harmful, may attack the lungs in case of ingestion
S phrases	: S 62 – if swallowed do not induce vomiting: seek medical advice immediately and show this container or label
Transport labeling	: Not applicable

1. PRODUCT IDENTIFICATION

Commercial Name:	: AGIP ROTRA HY
SAE Viscosities	: 80W-90
Chemical name	: Paraffinic long chain hydrocarbons
Synonyms	: Hydrocarbons
C.A.S. nos.	: Not applicable
Hazchem No.	: -
Product application	: Automotive Transmission oil
Company Name	: APAR CHEMATEK LUBRICANTS LTD.
Address	: 412 / 413, B wing, Bezzola Complex, 4 th floor Sion - Trombay Road, Chembur, Mumbai – 400071.
Emergency number of company	: +91 22 25274136
Fax	: +91 22 25274181

2. Composition / information on ingredients

PREPARATION

Chemical nature	: Petroleum derived severely refined mineral base products in which the polycyclic aromatic hydrocarbons (PCH or PAH) Content, measured by IP 346, is above 3%
Substances contributing to hazards	: Petroleum distillate hydrotreated CAS 64742-46-7 (Xn-R65).. Max. 18%
Impurities contributing to hazard	: None to our knowledge

3. Hazard identification

Adverse human health effects	: Due to its lower viscosity, in case of accidental swallowing, The product can be aspirated into the lungs resulting in severe and rapidly developing lung injury
Environmental effects	: Don't reject this product in environment
Physical and chemical hazards	: No specific risk of fire or explosion under normal conditions of use

4. First Aid Measures

IN CASE OF SERIOUS MANIFESTATIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE

Route of exposure

Inhalation	: Inhalations of heavy concentrations of vapor, fumes or spray,
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Contact with the skin	: may cause mild irritation of throat. : Transport the person into fresh air, keep warm and allow to rest. If the skin is exposed to high pressure spray, the product may enter the human organism. In all such cases the affected person must be taken to hospital, even if no sign of injury can be detected. Immediately remove all soiled or stained clothing Wash the affected area immediately and repeatedly soap and water
Contact with eyes	: Keep eyes open and rinse immediately and repeatedly with water for at least 15 minutes
Ingestion	: Possible risk of vomiting and diarrhoea Do not induce vomiting to avoid the risk of aspiration into the respiratory tract. Give nothing to drink
Aspiration	: If the product is believed to have entered the lungs (in case of vomiting for example), take the person to hospital for immediate care.

5. Fire-fighting measure

Flash Point	: See section 9
Fire extinguishers	
- suitable	: Foam, carbon dioxide (CO ₂), powder.
- not suitable	: do not use water jets (stick jets) for extinguishing fire since they could help to spread the flames
Firefighter protection	: An insulated breathing apparatus must be worn in confined premises with heavy concentrations of fumes and gases.

6. Accidental release measures

See also heading 8 & 13

After spillage / leakage

- on soil	: Surfaces on which the product has been spilled may become slippery. Avoid discharge of the material in a stream or sewer or cause ground contamination Contain and collect the spilled product with sand or any other inert material.
- on water	: Use floating absorbent material to be removed mechanically. If the material has been discharged into a stream or sewer, inform the authorities of the possible presence of floating materials.

7. Handling and storage

Handling

- Prevention of user exposure	: Ventilate extensively if the formation of vapors, fumes, mists or aerosol is a risk. Make all the necessary arrangements in
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in order to reduce exposure risk, notably to products in use or to wastes.
Keep away from combustive substances, keep away from food and beverages.

Prevention of fire and explosion : Empty containers may contain flammable or explosive vapors
There is a fire hazard associated with rags, paper or any other material used to remove spills which become soaked with .
Avoid accumulate of these, they are to be disposed off safely after use.

Precautions : Avoid static electricity build up with connection to earth.
Set up machinery and equipment so as avoid the risk of accidental spills or splashes onto hot machine parts and electrical contacts (on joint failure for example)

Safe Handling advice : Prevent oil leaks in pressure circuits resulting in a fine inflammable spray (the flammability limit for oil mist is depressed when concentration of about 45 /m³ are reached)
Avoid contact with strong oxidizing agents.

STORAGE

- Technical measure : Make the necessary arrangements and take all measures to prevent water and ground pollution

Storage condition:

- Suitable Store at room temperature, protected against contact with water and moisture and away from any source of ignition.
Keep containers closed when not in use.
DO not store exposed to the elements
Dangerous reaction with strong oxidizing agents

- To be avoided
- Incompatible material
Packaging Materials:

- Recommended Use only hydrocarbon – resistant containers, joints, pipes etc. Keep in original containers if possible.

8. Exposure controls / personal protection

Engineering Measures Use the product in well-ventilated premises.
When working on enclosed place (tanks, reservoirs...), make sure that the atmosphere is not suffocating

Occupational exposure limit oil mist: 10mg/m³ for 15 mins.,
Oil mist: 5 mg/m³ for 8 hours

Personal protective equipment
- hand protection

Impermeable hydrocarbon – proof gloves



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	recommended material: nitrile, neoprene
Eye protection	: Goggles, in case of risk of splashing
Skin & body (other than hands) Protection	: As required, wear a face mask, hydro-carbon proof clothing and safety boots (when handling drums) Don't wear ring, watch or similar things which will be able to hold the product and may give rise to some skin diseases.
Hygienic work practices	Avoid prolonged and repeated contact with the skin, Especially with used or waste product Immediately remove all soiled or stained clothing If the product comes in contact with the skin, wash the affected area immediately and repeatedly with soap and water Use no abrasives, solvents or petroleum spirit Do not use clothes stained with the product to dry hands Don't put the product-soaked rags in pockets of working cloth Do not eat, drink or smoke while handling the product

9. Physical and Chemical properties

AGIP ROTRA HY 80W -90

Appearance	
- Physical state	Liquid
- Colour	Bright & clear
- Odour (*)	-
- pH	> 7.5
- Specific temperature of change in state	Not measurable
- Flash Point	> 200 degree C
- Boiling Point	Not Measurable
- Auto ignition temperature	Not Measurable
- TDG Flammability	Not Applicable
- Explosion limits	> 350 degree C
- Density @ 29.5 Degree C	0.89 gm/cc (avg)
- Solubility	
In water	NIL
In organic solvents	Completely soluble in Hexane
- Melting / Freezing point, Deg. C	Not applicable
- Viscosity @ 100 Degree C	14.0 to 15.0 cSt
- Vapor pressure at 35 Degree C	14.7 psi (Normal ATP)
- Vapor Density (Air = 1)	1

(*) Avoid smelling the product

10. Stability and reactivity



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Stability	The product is stable under normal temperature of storage, handling and use
Dangerous reactions	No dangerous reaction known under normal conditions of use To refer to the technical notice
Conditions to avoid	Heat (temperatures above flash point), sparks, ignition points, Flames, static electricity
Materials to avoid	Avoid contact with strong oxidizing agents
Hazardous decomp. Products	Incomplete combustion and thermolysis produce more or less Toxic gases such as CO, CO ₂ , various hydrocarbons, Aldehydes and soot.

11. Toxicological Information

ACUTE TOXICITY / LOCAL EFFECTS

- Inhalation	Risk is improbable under normal conditions of use Inhalation of important concentration of vapor or aerosols may cause irritation of the upper respiratory tract
- Contact with the skin	Risk is improbable under normal conditions of use If the skin is exposed to high-pressure spray, the product may enter the human organism. In all such cases the affected person must be taken to hospital, even if no sign of injury can be detected
- Ingestion	In case of ingestion of small quantities, no important effect observed. In case of ingestion of larger amounts: abdominal pain diarrhoea...

SENSITIZATION

Chronic Toxicity or Long-term Toxicity

- Contact with the skin	To our knowledge, the product don't induce sensitization Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing
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12. Ecological information

Mobility

- Air	There is slow loss by evaporation
- Ground	Given its physical and chemical characteristics, the product generally shows little mobility in the ground
- Water	The product is insoluble, it spreads on the surface of water
Persistence and degradability	Experimental data on the finished product are not available However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.

Ecotoxicity

Particular ingredients may not be biodegradable
The virgin product is considered to present no danger for land growing organisms
It is considered to present a little danger for aquatic life
No information available for used product



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13. Disposal considerations

Waste disposal

Dispose in safe manner in accordance with local / national regulations

If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation

Used packaging disposal

Conform to the regulation in effect

14. Transport information

UN number

unregulated

Road (ADR)/Rail(RID)/River(ADNR)

Not restricted for transport

Marine (IMO-IMDG)

Not restricted for transport

Airline (CAO / IATA)

Not restricted for transport

15. Regulatory information

- EC labeling

- Symbols

Harmful: Xn

- R Phrase(s)

R 65: Harmful, may attack the lungs in case of ingestion

- S Phrase(s)

S 62: if swallowed, do not induce vomiting, seek medical

16. Other Information

This data sheet confirms to standards defined by directive 93/112/EEC

“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 our knowledge at the date indicated here above.

It is understood by the user that any use of the product for purpose 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 or her 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.”