



SAFETY DATA SHEET

Product: **AGIP FORMULA MOTO CITY 4T**

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SDS No.: 0293_KE

Version: 6

Date: 11.08.2003

Supersedes SDB dated: 15.12.2002

1. Identification of the substance/preparation and of the company.

Identification of the substance or preparation: AGIP Formula Moto CITY 4T (SAE 10W-40)
Type of product and use: Engine oil
Company identification: Agip Benelux BV
Address and telephone no.: Eemhavenweg 50, 3089 KH Rotterdam
TEL. (+31) (0)10 294 15 55 FAX (+31) (0)10 429 45 94

2. Composition/information on ingredients.

Components: Paraffinic base stock, severely solvent refined (66%wt min.) -
CAS 101316-72-7
Synthetic base stock. Additives.
Hazardous components: Neutral calcium sulphonate 1% wt max (CAS 90268-85-2; Xi; R43-52/53)

3. Hazards identification.

Important hazards: This product is of low oral and dermal toxicity and under normal conditions of use should present no significant health hazards. However, in common with most mineral oils, prolonged and repeated skin contact may cause dermatitis. Handling precautions must be strictly observed.
Environmental hazards: This product is not classified as dangerous to the environment, according to the criteria set by the EU.
General information: Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage.
In such a case, the victim should be brought to a hospital as soon as possible, to get specialized medical treatment.

4. First aid measures.

Skin contact: Take off contaminated clothing and shoes. Wash thoroughly with soap and water.
Eye contact: Flush with large amounts of water; if irritation persists, seek medical attention.
Ingestion: Do not induce vomiting to avoid aspiration into the lungs; seek medical attention.
Aspiration of liquid into the lungs: If there is the possibility that the product has been aspired into the lungs (i. e. in case of spontaneous vomiting), transport the victim to a hospital.
Inhalation: In case of disturbances owing to an exposure to a high concentration of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention.

5. Fire-fighting measures.

Extinguishing media:
- Suitable: Carbon dioxide, dry chemicals, foam, water spray (fog).
- Not to be used: Do not use water jets. They could cause splattering, and spread the fire.
Other informations: Spilled product which is not burning should be covered with sand or foam.
Use water sprays to cool the surfaces exposed to the flames.

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Special protective equipment for fire-fighters:

Wear a suitable breathing apparatus if smoke is present.

Useful precautions:

Avoid accidental sprays (i. e. from broken couplings) on hot surfaces or electrical contacts (switches, outlets and the like).
In case of losses from pressurized circuits, the sprays may form oil mists. Take into account that the lower explosion limit for oil mists is about 45 g oil/m³ air.

6. Accidental release measures.

General information.

Shut off source of spill, if possible.

Methods for cleaning up:

- Soil:

Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid. Clean contaminated area. Dispose of according to local regulations.

- Water:

Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

7. Handling and storage.

Storage:

Storage temperature: ambient to 65 °C max.

Handling:

Store the product in cool, well ventilated surrounding.
Keep away from ignition sources and hot surfaces.

8. Exposure controls/personal protection.

Exposure limits:

TLV-TWA (A.C.G.I.H. 2002): 5 mg/m³ (mineral oil mists)
TLV-STEL (A.C.G.I.H. 2002): 10 mg/m³ (mineral oil mists)

Personal protection:

- Open spaces:

No special measures.

- Confined spaces:

Aspirators in case of oil mist; protective shields, in case of oil splashes.

Hand/eye/skin protection:

Mineral oil resistant gloves, overalls. Gloves must be felt-lined.

Hygiene measures:

Do not drink, eat or smoke with dirty hands.
Wash hands before going to the toilet.
Do not clean hands with dirty or oil-soaked rags.
Change clothes if they are dirty or soaked, and in any case at the end of the working shift.
Wash hands with water and soap, do not use solvents or other irritant products which have a defatting effect on the skin.

9. Physical and chemical properties (typical values).

Appearance:

Liquid, bright & clear (ASTM D 4176/1)

Odour:

Characteristic

Colour:

Not determined (ASTM D 1500)

Density at 15 °C:

885 kg/m³ (ASTM D 1298)

Boiling point/range:

> 200 °C (at 10 mmHg) (ASTM D 1160)

Vapour pressure:

1 10⁻³ hPa (20 °C)

Viscosity at 100 °C:

14 mm²/s (ASTM D 445)

Solubility in water:

Insoluble in water

pH value:

Not applicable (ASTM D 1298)

Pour point:

-27 °C (ASTM D 97)

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Flashpoint: 225 °C (ASTM D 92)
Auto-ignition temperature: > 300 °C (DIN 51 794)
Explosion limits:
- Lower: Not determined
- Upper: Not determined
Partition coefficient (P o/w): Not determined
DMSO extract of base stock: < 3%wt (IP 346/92)

10. Stability and reactivity.

Thermal decomposition products: COx, HC
Stability: Stable product.
Hazardous reactions: None.
Materials to avoid: Strong oxidants.

11. Toxicological information.

Oral toxicity (rat): LD50 greater than 5000 mg/kg
Dermal toxicity (rabbit): LD50 greater than 5000 mg/kg
Inhalation toxicity (rat): LC50 greater than 5 mg/1/4h
Skin sensitization: The product is not classified as a sensitizer according to the criteria set by the EU. (Based on test with similar products).
Further information: *Not irritating to eyes and skin.
*Minor irritation may occur after prolonged or repeated contact, especially if normal hygienic rules are not respected.
*None of the components of this product are listed as carcinogen by IARC, OSHA, NTP, EU or others.

12. Ecological information.

General information: The product is not soluble in water. It is expected to be resistant to biodegradation and to persist in the environment.
No specific environmental data are available for this product.
According to the components, and by comparison with other products of the same type and composition, it is expected that this product has a toxicity for aquatic organisms > 100 mg/l, and must not be regarded as dangerous to the environment.
Handle according to general working hygiene practices to avoid pollution and release into the environment.
Water hazardous class (WGK): 2 (self-classification according to VwVwS).

13. Disposal considerations.

Disposal product: Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector.
European Waste Catalogue Code: 13 02 05 (Ref.: 2001/118/CE)
Disposal of packaging: Dispose of in a safe manner, in accordance with local regulations.

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14. Transport information:

RID/ADR:	Does not belong to any class of danger
ICAO/IATA:	Does not belong to any class of danger
IMO-IMDG code:	Does not belong to any class of danger

15. Regulations.

Other indications:	Contains a sensitizer (Calcium sulphonate) in an amount > 0,1%wt (Ref.: Dir. 1999/45/CE)
Applicable laws and regulations:	National laws on classification and labelling of dangerous substances/preparations (According to EU guidelines 2001/59/EC, 2001/60/EC and 1999/45/EC). Relevant national laws on health and safety on the workplace (EU guidelines 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE) National adoption of Directive 75/439/CEE concerning disposal of used oil Relevant national laws on recycling and re-use of waste materials Relevant national laws on prevention of water pollution

16. Other information.

Nature of revision:	Correction in Section: 2, 11, 12, 15. Adoption to new regulation: 1999/45/CE. Laboratory tests on animals have shown that engine oils undergo changes during usage, and risks increase, compared with fresh oils. Therefore, it is very important to follow the above mentioned precautionary measures also with used oils. This Safety Data Sheet conforms to the dispositions of the Directives 88/379/EC and 91/155/EC.
R-sets in item 2:	R43 May cause sensitisation by skin contact R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.

The informations in this sheet are according to our best knowledge at the date of printing.

This Safety Data Sheet has been checked and printed 11.08.2003.

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