



Material Safety Data Sheet (MSDS)

Anax 4004 SAE 5W-50 & 5W-40

Issue: Monday, November 22, 2010

1. Substance/preparation and company identification

Product: Anax 4004 SAE 5W-50 & 5W-40
 Use: Engine Oil
 Company: RS200 motor oil
 Papantoniou A.B.E.E.
 Industrial park of Lakkoma
 P.O.Box 53 – GR63080
 Halkidiki – E.U. (Hellas)
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2. Hazard identification

This material is not considered to be hazardous according to regulatory guidelines see Section 15.

PHYSICAL / CHEMICAL HAZARDS

Thermal burn hazard - contact with hot material may cause thermal burns.

HEALTH HAZARDS

Low order of toxicity. May be irritating to the eyes, nose, throat, and lungs. Excessive exposure may result in eye, skin, or respiratory irritation.

ENVIRONMENTAL HAZARDS

Not classified as dangerous for the environment according to EC criteria.

3. Composition/information on ingredients

Reportable Hazardous Substance(s) or Complex Substance(s)

Name	Content % (w/w)	EINECS No.	CAS No.	Symbol(s)	Risk Phrases
Zinc dialkyl dithiophosphate	<1.0	224-235-5	68649-42-3	N	R51/53

See section 16 for explanations of R-phrases.

4. First-aid measures

INHALATION

Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness,



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nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. For hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

INGESTION

DO NOT induce vomiting! Wash the mouth out with water. In case of nausea or any other symptoms seek medical assistance and show the label/container.

5. Fire-fighting measures

EXTINGUISHING MEDIA

Appropriate Extinguishing Media:

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

FIRE FIGHTING

Fire Fighting Instructions:

Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products:

Smoke, Fume, Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides and Sulphur Oxides.

FLAMMABILITY PROPERTIES

Flash Point [ASTM D 92]: >210°C

Flammable Limits (Approximate volume % in air): LEL: N/A UEL: N/A

Autoignition Temperature: >230°C

6. Accidental release measures

SPILL MANAGEMENT

Land Spill: Stop leak if you can do so without risk. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. If liquid is too viscous for pumping, shovel it up into a suitable container for recycle or disposal.



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Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Report spills as required to appropriate authorities. Seek the advice of a specialist before using dispersants.

ENVIRONMENTAL PRECAUTIONS

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and storage

HANDLING

Prevention of user exposure: Ventilate extensively if the formation of vapours, fumes, mists or aerosol is a risk. Make all the necessary arrangements in order to reduce exposure risk, notably to products in use or to wastes.

Prevention of fire and explosion: Empty containers may contain flammable or explosive vapours. There is a fire hazard associated with rags, paper or any other material used to remove spills which become soaked with product.

This material is not a static accumulator but use proper bonding and/or grounding procedures.

Loading/Unloading Temperature: 60°C max

STORAGE

Store in a cool, well-ventilated place away from incompatible materials.

Storage Temperature: 50°C max

STORAGE / HANDLING, GENERAL NOTES

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.

DO NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.

8. Exposure controls / personal protection

Exposure limits/standards for materials that can be formed when handling this product:

When mists / aerosols can occur, the following are recommended:
5 mg/m³ for 8 hours / 10 mg/m³ for 15 minutes.

ENGINEERING CONTROLS

No special requirements under ordinary conditions of use and with adequate ventilation.



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PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation.

Hand Protection: Work conditions can greatly effect glove durability; inspect and replace worn or damaged gloves. If prolonged or repeated contact is likely, chemical-resistant gloves are recommended. If contact with forearms is likely, wear gauntlet-style gloves.

Eye Protection: If contact with material may occur, safety glasses and face shield are recommended.

Skin and Body Protection: If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended. If product is hot, thermally protective, chemical resistant apron and long sleeves are recommended.

Specific Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

ENVIRONMENTAL CONTROLS

See Sections 6, 7, 12, 13.

9. Physical & chemical properties

These are indicative values only, please refer also to the product specification sheet.

General Information:

Physical state :	Liquid
Color :	Clear Amber
Odour:	Characteristic
Solubility in water at 20°C:	Insoluble
Density at 15°C:	0.875 -0.880 kg/L
Viscosity at 100°C:	12.5 – 16.3 cSt for 5W-40 16.3 – 21.9 cSt for 5W-50
Boiling point :	>220°C
Pour point :	<-30°C

Health, Safety & Environmental Information:

Flash point:	> 210°C
Autoignition temperature:	> 230°C



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Explosive limits (in air): Vol% (N/A)

10. Stability and reactivity

Stability: The product is stable at normal storage, handling and use temperatures.

Conditions to avoid: Heat (temperatures above flash point), sparks, ignition points, flames, static electricity.

Materials to avoid: Avoid contact with strong oxidizing agents.

Hazardous decomposition products: Incomplete combustion and thermolysis produce more or less toxic gases such as CO, CO₂, various hydrocarbons, aldehydes and soot.

11. Toxicological information

Inhalation: Risk is improbable under normal conditions of use. Inhalation of important concentration of vapour or aerosols may cause irritation of the upper respiratory tract.

Contact with skin: Low order of toxicity. Risk is improbable under normal conditions of use.

Ingestion: In case of ingestion of small quantities, no important effect observed. In case of ingestion of larger amounts: abdominal pain, diarrhea, ...

12. Ecological information

Environmental mobility: This is a preparation and environmental assessment is based on component data and that of similar products. A mineral oil component of this preparation floats and can migrate from water to land.

Environmental degradability: This product is not expected to be biodegradable. A component(s) of this preparation is expected to be "inherently" biodegradable according to OECD guidelines.

Ecotoxicity: It is considered to present a little danger for aquatic life.

13. Disposal considerations

Waste disposal: Dispose of in a safe manner, in accordance with local regulations.



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If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation. Waste must be disposed of in accordance of EU 13 02 06 or in accordance of local environmental control regulations.

Disposal of contaminated packaging: Proceed in compliance with the prevailing regulations. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

14. Transport information

Not classified as hazardous under transport regulations.

Land transport ADR/RID (cross-border)

- ADR/RID class: -
- Maritime transport IMDG: -
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR: -
- ICAO/IATA Class: -

15. Regulatory information

EU Regulations

- Hazard Symbol(s): None
- Risk phrases: This product is not classified according to the EU regulations.
- Safety phrases: None

US Regulations

- SARA Title III - Section 302: Not Applicable
- Section 311/312: Not Applicable
- Section 313: This product contains the following toxic chemical subject:
Zinc dialkyl dithiophosphate, 1 - 2%, CAS NUMBER 68649-42-3

Canadian Regulations

- WHMIS : Not determined.

International Inventory Status

- Europe** All components on EINECS
- United States** All components on TSCA Inventory
- Canada** All components on DSL

16. Other information



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This product must be stored and used regarding the above indications.

Library of Risk phrases listed in this document.

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

The data given here is based on current knowledge and experience. The purpose of this MSDS is to describe the product in terms of its safety requirements. This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations.