Material Safety Data Sheet

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Product Name : **JD PLUS 50**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name JD PLUS 50

Company Name John Deere Limited (ABN 21 008 671 725)

Address 166 -170 Magnesium Drive Crestmead
Qld 4132 Australia

Emergency Tel. Fuchs 1800 1800 13

Telephone/Fax Number Tel: 07 3802 3222
Fax: 07 3803 6549

Recommended Use Engine oil.

2. HAZARDS IDENTIFICATION

Hazard Classification NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Other Information No adverse health effects are expected if this product is used in accordance with this Safety Data Sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Other ingredients determined not to be hazardous	Not required	60-100 %
	Zinc Alkyldithiophosphate derivative	N\Alloc.	10-30 %

4. FIRST AID MEASURES

Inhalation Remove victim from exposure - avoid becoming a casualty.
Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.
For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital.

Ingestion DO NOT induce vomiting.
Rinse mouth thoroughly with water immediately. Give water to drink and seek immediate medical assistance.

Skin Wash with plenty of soap and water. Seek medical advice if effects persist.

Eye Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open.
In all cases of eye contamination it is a sensible precaution to seek medical assistance. Transport to hospital or medical centre.

First Aid Facilities Normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards Extinguish fire with the following: Use CO2, dry chemical or foam. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.
On burning will emit toxic fumes of carbon monoxide, acrid smoke and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Contain - prevent contamination of drains and waterways.
Use absorbent (soil or sand, sawdust, inert material, vermiculite).
Collect and seal in properly labelled drums for disposal.
Dispose of waste as per Local, State and Federal Land Waste Management Authorities. (Victoria:MMBW (03) 9615 6099)

7. HANDLING AND STORAGE

Additional information on precautions for use	Observe standard safety precautions and good work practices. Do not continue to use contaminated clothing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No value assigned for this specific material by the National Occupational Health and Safety Commission (WSA). Maintain exposure to a minimum. For oil mist, mineral: TLV TWA: 5mg/m3; STEL 10mg/m3
Engineering Controls	Maintain concentration below recommended exposure limit. If risk of overexposure exists, wear SAA approved respirator.
Personal Protective Equipment	Overalls, safety glasses and impervious gloves, eg. PVC. Avoid skin and eye contact, and inhalation of mists/aerosols. Wash contaminated clothing and protective equipment before storing/re-using. Avoid carrying contaminated rags in pockets or wearing of soaked clothing. If risk of inhalation of spray mist exists, wear combined organic vapour/particulate respirator meeting the requirements of AS1715 and AS1716. If using a respirator' ensure that the cartridges are correct for the potential air contamination and are in good working order.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown liquid.
Boiling Point	> 316°C
Specific Gravity	0.89 @ 15°C/typical
Vapour Pressure	< 0.1 mmHg @ 25°C
Viscosity	Viscosity 40°C: 100cSt Typical Viscosity 100°C: 12.5 - 16.3 cSt
Volatile Component	None
Flash Point	220°C/typical
Flammability	Will burn if involved in a fire. Non flammable.
Flammable Limits - Lower	Not applicable
Explosion Properties	Not applicable
Other Information	Solubility in water: Not miscible. * Typical values only - Consult product information sheet.

10. STABILITY AND REACTIVITY

Hazardous Reactions	Store away from strong oxidizing or combustible materials.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	
Inhalation	Not normally a hazard due to the non-volatile nature of the product. Inhalation of oil mist/vapour from heated material may cause irritation of upper respiratory system.
Ingestion	May cause mild irritation of mouth, throat, and stomach with nausea and mild diarrhoea.
Skin	Contact with skin may result in irritation.
Eye	May cause slight eye irritation.
Chronic Effects	Repeated or prolonged skin contact can result in irritation and in severe cases dermatitis.

12. ECOLOGICAL INFORMATION

Environ. Protection	Non-biodegradable. Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Storage and Transport	Store in cool place and out of direct sunlight. Protect containers against physical damage and check regularly for leaks. Do not store in open or unlabelled containers. Store away from oxidizing agents or combustible material.

15. REGULATORY INFORMATION

Poisons Schedule	Not Scheduled
Packaging & Labelling	Not regulated

16. OTHER INFORMATION

Contact Person/Point	Laboratory Manager (03) 9300 6400 Research & Development Chemist (03) 9300 6400

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorosed use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Material Safety Data Sheets are updated frequently. Please ensure you have a current copy.

Literature References	Commonwealth of Australia,'Australian Code for the Transport of Dangerous Goods by Road and Rail' AGPS (1998) 6th edition

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