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Material Safety Data Sheet for 3 in One

1. IDENTIFICATION

Name of product:	Three in One Oil
Acronym/Z Code:	TIOOL / Z4567
Product Type:	All purpose lubricating oil.
Use:	The product is used for the lubrication of moving parts, and for protecting tools and services from the effects of rust.
Appearance:	A low viscosity all purpose oil, pale straw in colour. The oil is contained in a tinplate container fitted with a dropper spout.
Supplied by:	WD-40 Company Limited Po Box 440, Kiln Farm, Milton Keynes, MK11 3LF. Tel: 01908 560808 Fax: 01908 564093

2. COMPOSITION

The product contains the following materials;

PALE SPINDLE OIL	Greater than 98%
CORROSION INHIBITOR	Less than 2.0%
CITRONELLA OIL	Less than 0.50%

Irritant
Flammable

3. HAZARDS IDENTIFICATION

EYE CONTACT
Can cause some discomfort.

SKIN CONTACT
Prolonged skin contact with the oil may give rise to irritation and dermatitis.

INHALATION
Aspiration into the lungs is the main hazards, which may cause chemically induced pneumonia.

INDIGESTION
May cause irritation of the mouth, oesophagus, stomach, abdominal pain and diarrhoea. Nausea and vomiting are the most likely outcome and the greatest danger would result from aspiration into the lungs.

4. FIRST AID MEASURES

SKIN
Wash copiously with soap and water - remove contaminated clothing, including shoes, and launder before re-use. If skin irritation develops seek immediate medical attention.

EYES
Irrigate thoroughly with water for at least 10 minutes, holding the eyelids apart, as soon as possible. If in any doubt, or the irritation persists, obtain medical attention.

INHALATION
Ensure that airways are clean and unobstructive. Keep warm and at rest. If there is any difficulty in breathing, or vomiting has occurred obtain medical attention urgently. If breathing stops or shows signs of failing, apply mouth to mouth ventilation.

INGESTION
In the event of deliberate ingestion medical help must be obtained urgently.

Keep at rest. DO NOT INDUCE VOMITING but seek prompt medical attention. Observe patient in case abdominal pain develops, or patient starts to vomit. Try to keep patient conscious and try to make certain that patient does not aspirate vomit into lungs.

5. FIRE-FIGHTING MEASURES

In the event of a fire use carbon dioxide, dry powder or foam extinguishers

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6. ACCIDENTAL RELEASE MEASURES

The oil should not be allowed to enter drains or water courses.
Small spills should be soaked up with sand or earth and disposed of in accordance with local bylaws and the requirements of the Environmental Protection Act 1990.

7. HANDLING AND STORAGE

Should be stored away from heat, and oxidising agents.
Containers should be kept out of reach from young children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable gloves if excessive skin contact is likely to occur, or if there is a history of skin problems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Medium viscosity oil
Odour:	Citrus, oily, characteristic
Product density:	0.905 @ 15 °c
Flammability:	Flash point approx. 150 °c

10. STABILITY AND REACTIVITY

Pale Spindle Oil, and Mineral Oil will give rise to a range of substances from thermal decomposition.
The following substances may be expected from normal combustion;

Carbon Dioxide:	Polycyclic aromatic hydrocarbons
Carbon Monoxide:	Unburnt hydrocarbons
Water:	Unidentified organic/inorganic compounds
Particulate Matter:	Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

The product is not classified as dangerous for health effects.

12. ECOLOGICAL INFORMATION

Pale Spindle Oil is a mixture of non-volatile components which are not expected to be released to air in any significant quantities.

If released to water the oil will form a floating layer, and its components will not evaporate or dissolved to any great extent. Dissolved components will be absorbed in sediments. In aerobic water and sediments they will biodegrade slowly, but in anaerobic conditions they will persist. Pale Spindle Oil is practically non-toxic to aquatic organisms but contains components which have a high potential to bioaccumilate.

Small volumes released on land will be absorbed in the upper soil layers and biodegrade slowly. Larger volumes may penetrate into anaerobic soil layers in which the product will persist and may reach the water table on which it will form a floating layer. The more soluble components may dissolve but their high soil absorption coefficient and the low solubility will prevent significant contamination of the ground water.

13. DISPOSABLE CONSIDERATIONS

DISPOSABLE METHODS;

Oil products should be disposed of to a licensed waste contractor. Any disposable route should comply with local bylaws and the requirements of the Environmental Protection Act 1990.

14. TRANSPORT INFORMATION

UN Number:	N/A
Description:	N/A
UN Class:	NOT CLASSIFIED
Item Number:	N/A
Packaging Group:	N/A
ADR/RID Class:	N/A
IATA Class:	N/A
IMCO & ICOA Hazard:	NON HAZARDOUS

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15. REGULATORY INFORMATION

Chemical (Hazard Information and Packaging Regulation) 1993 No. 1746
Council Directive 88/379/EEC of 7th June 1988 relating to the Classification, Packaging and Labelling of Dangerous Preparations.

a) Consumer Pack Label

Classification: Not classified as dangerous.

Safety Information:

IF SWALLOWED SEEK MEDICAL ADVICE IMMEDIATELY, AND SHOW THIS CONTAINER

KEEP OUT OF REACH OF CHILDREN

16. OTHER INFORMATION

This information complements but does not replace the technical instructions for use, but represents our knowledge of this product on this date. The information is sufficient to ensure safe carriage, storage and normal use of this product.

Data sources used in the preparation of this SDS:
Raw Material supplier's Safety Data Sheets.
Three in One is a Trade Mark
Date: 7th May 1996

Robert Hinton