

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron WHITE SPIRIT**

Other Names: **FWSB – 200 litre drum**
FWS20 – 20 litre container
Shipping Name : Turpentine Substitute

Recommended Use:

Supplier: Fortron Automotive Treatments Pty Ltd
14-18 Sangiorgio Court, Osborne Park
Perth, Western Australia 6017

Phone: (08) 9202 5300 (Monday – Friday 8.00am – 5.00pm)

Fax: (08) 9202 5394
www.fortron.com.au

Emergency Telephone Number: 0433 088 498

2. HAZARDS IDENTIFICATION:

HAZARDOUS ACCORDING TO CRITERIA OF NOHSC AUSTRALIA

Hazardous Information:	Xn	Harmful
	N	Dangerous for the environment
Risk Phrase:	R10	Flammable
	R65	Harmful: May cause lung damage if swallowed
	R66	Repeated exposure may cause skin dryness or cracking
	R67	Vapours may cause drowsiness and dizziness
	R51/53	Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment
	R38	Irritating to skin
Safety Phrase:	S23	Do not breathe vapours
	S24/25	Avoid contact with skin
	S61	Avoid release to the environment
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label
	S2	Keep out of reach of children

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Low Aromatic White Spirit	64742-82-1	100%

4. FIRST AID MEASURES:

Swallowed:	If swallowed DO NOT INDUCE vomiting. Wash mouth with water and give a glass of water to drink. Seek medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 03 4747 000 (Not after May 2005) or 0800 764 766; or a doctor (at once).
Eye:	If contact with the eye(s) occurs, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. If symptoms persist seek medical advice.
Skin:	If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention.
Inhaled:	No first aid measures normally required. However, if vapours or mists have been inhaled remove the source of contamination or move the victim to fresh air. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
First Aid Facilities:	Safety shower, mild soap and eye wash facilities.
Advice to Doctor:	Treat symptomatically. Note the nature of this product.

5. FIRE FIGHTING MEASURES:

This product is classified as a flammable liquid. There is a slight risk of an explosion from this product if it is involved in a fire.	
Flashpoint:	42°C (Abel)
Extinguishing Media:	Sand, earth, chemical powder or foam. Foam is the preferred medium for large fires. DO NOT USE WATER IN A JET.
Unusual Fire & Explosion Hazards:	Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

5. FIRE FIGHTING MEASURES: - continued

Fire Fighting Precautions: If a significant quantity of this product is involved in a fire, call the fire brigade. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered. Ensure that no spillage enters drains or water courses.

This product is classified as a C1 combustible product. There is a slight risk of an explosion from this product if it is involved in a fire.

Hazchem Code: 3[Y]

6. ACCIDENTAL RELEASE MEASURES:

Procedures in Case of
Breakage or Leakage:

Minor Spills and Major Spills:

In the event of a major spill, prevent spillage from entering drains or watercourses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. Wear full protective chemically resistant clothing including facemask, face shield, gauntlets and self-contained breathing apparatus. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Avoid using sawdust or other combustible material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. HANDLING AND STORAGE:

Precautions for
Safe Handling:

Follow normal industrial/chemical hygiene practices. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Storage and
Transport

This product is classed as UN1300, Dangerous Goods Class 3
Flammable Liquid.

Proper Shipping Name is Turpentine Substitute.

7. HANDLING AND STORAGE: - continued

Class 3 Flammable liquids shall not be loaded in the same vehicle or packed in the same freight container with:-

Class 1	Explosives
Class 2.1	Flammable gases where flammable liquids and flammable gases are in bulk
Class 2.3	Toxic Gases
Class 4.2	Spontaneously Combustible Substances
Class 5.1	Oxidising Agents
Class 5.2	Organic Peroxides
Class 6	Toxic Substances, except Flammable Liquid is nitromethane
Class 7	Radioactive Substances

They may however be loaded in the same vehicle or packed in the same freight container with:-

Class 2.1	Flammable Gasses except where the Flammable Liquids and Flammable Gases are in bulk
Class 2.2	Non-Flammable Non-Toxic Gases
Class 4.1	Flammable Solids
Class 4.3	Dangerous When Wet Substances
Class 6	Toxic Substances, except where Flammable Liquid is nitromethane
Class 8	Corrosive Substances
Class 9	Miscellaneous Dangerous Goods Foodstuffs or foodstuff empties

This product is a S5 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to Avoid" listed below.

Stability and Reactivity:	This product is unlikely to spontaneously decompose.
Polymerisation:	This product is unlikely to spontaneously polymerise.
Decomposition by Products:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.
Materials to Avoid:	Strong oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure Standards: A time weighted average (TWA) concentration for an 8 hour day, and a 5 day week has not been established by NOHSC Australia for any of the major ingredients of this product. There is a blanket limit of 10mg/m³ for dusts or mists when limited have not otherwise been established.

	TWA mg/m ³	STEL mg/m ³
Xylene	350	655
Trimethyl benzene	123	not set

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Time-weighted average (TWA) is defined as the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Engineering Standards: Ventilation must be adequate to ensure that the working environment is below the TWA value. Otherwise, use respiratory protection.

Personal Protection: Respirator Type (AS 1716)
Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate AS/NZS 1715/1716 approved air-purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Skin Protection

Impermeable protective gloves should be worn when you are using this product, to prevent irritation. For help in selecting suitable equipment, consult AS2161. This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Consult AS2919 for advice on Industrial Clothing. Wearing Safety Boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Eye Protection

Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear colourless liquid.
Odour:	Paraffinic
pH:	Not applicable
Vapour Pressure:	0.37kPa @ 20°C
Vapour Density:	4.35 @ 15 Deg C
Boiling Point:	145-200°C @ 100kPa
Melting Point:	No specific data. Liquid at normal temperatures
Solubility in Water:	Not miscible with water
Specific Gravity:	0.78 @ 15°C
Flashpoint:	42°C (Abel)
Flammability Limits:	LEL 6.5% UEL 0.7%
Auto Ignition Temperature:	Typical 296 (ASTM E-659)
Corrosiveness:	Not corrosive
Viscosity:	1.13 cSt @ 25°C and 0.93 cSt @ 40°C
Percent Volatiles:	100

10. STABILITY AND REACTIVITY:

Stability and Reactivity:	This product is unlikely to spontaneously decompose.
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources.
Polymerisation:	This product is unlikely to spontaneously polymerise.
Decomposition by Products:	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.
Materials to Avoid:	Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION:

HEALTH EFFECTS - ACUTE

Swallowed:	Because of the low viscosity of this product, it may directly enter the lungs if swallowed, or if subsequently vomited. Once in lungs, it is very difficult to remove and can cause severe injury or death.
Eye:	Eye contact with this product is considered unlikely to cause any significant irritation or pain.
Skin:	This product may be mildly irritating to skin. Repeated exposure may cause skin dryness and cracking. It is unlikely to cause any significant lasting effects.
Inhaled:	Data indicates that this product may be irritating if inhaled. May lead to minor discomfort (drowsiness and dizziness) that should quickly disappear once exposure has ceased.

11. TOXICOLOGICAL INFORMATION: - continued

Chronic: Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Repeated exposure could affect the nervous system.

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

12. ECOLOGICAL INFORMATION:

Ecotoxicity:

Fish:	Harmful
Aquatic Invertebrates:	Harmful
Algae:	Toxic
Microorganism:	Expected to be harmful

Persistence and Degradability: Readily Biodegradable. Oxidises by photo-chemical reactions in air.

Mobility: Floats on water

Bioaccumulation: Has potential to bioaccumulate.

13. DISPOSAL CONSIDERATIONS:

Disposal Methods and Containers: Dispose of only in accord with all regulations. Do not allow product to enter drains, sewers or watercourses – inform the local authorities if this occurs.

Special Precautions for Landfill or Incineration: This material may be suitable for approved landfill.

14. TRANSPORT INFORMATION:

UN Number:	1300
UN Proper Shipping Name:	Turpentine Substitute
Class and Subsidiary Risk:	3
Packaging Group:	III
Poisons Schedule:	S5
Hazchem Code:	3[Y]

This product is classed as a Dangerous Good. We suggest you consult your state's Dangerous Goods laws in order to clarify your obligations regarding the transport and storage of this product.

14. TRANSPORT INFORMATION: - continued

For further information refer to Section 7 of this Data Sheet.

Land Transport (ADG):
Proper Shipping Name: Classified as a Dangerous Good

Air Transport (ICAO/IATA):
Proper Shipping Name: Classified as a Dangerous Good

Marine Transport (IMDG/IMO):
Proper Shipping Name: Classified as a Dangerous Good

15. REGULATORY INFORMATION:

Statement of Hazardous Nature:

HAZARDOUS ACCORDING TO CRITERIA OF NOHSC AUSTRALIA

Hazardous Information:	Xn	Harmful
Risk Phrase:	R10	Flammable
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	S2	Keep out of reach of children

16. OTHER INFORMATION:

Date of Issue: 28th July, 2008

MSDS Number: MSDS:200

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Please Note:

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