



MATERIAL SAFETY DATA SHEET

WHITE SPIRITS

Issue Date November 2007

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

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Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.

IDENTIFICATION

Product Name: White Spirits
Other Names: Mineral spirits type I; Petroleum distillate
Manufacturer's Product Code: V110
UN Number: 1268
Dangerous Goods Class and Subsidiary Risk: None Allocated
Hazchem Code: 3[Y]E
Poisons Schedule No.: Not Scheduled
Use:

Physical Description/Properties:

Appearance: Clear, colorless liquid.
Boiling Point: 156 - 202C (313 - 396F)
Vapour Pressure: ca. 5 @ 25C (77F)
Specific Gravity: Not available
Flashpoint: 38C (100F) CC
Flammability Limits: lel: 0.8; uel: ca. 6
Solubility in Water: Insoluble in water.

Other Properties:

None Available



Ingredients:

Chemical Name	CAS Number:	Proportion:
Stoddard Solvent	052-41-3	98 - 100%

HEALTH HAZARD INFORMATION

Health Effects:

Acute

- Swallowed:** Fatal dose for humans estimated at 3-4 oz, but ingestion of much smaller amounts may cause lung edema and possible death because of aspiration into lungs.
- Eye:** Vapors may be irritating at concentrations of 450 ppm and above (15 minutes exposure) and contact with the liquid solvent can be painful and possibly damaging to eye tissues.
- Skin:** The defatting action of this solvent may lead to soreness, inflammation and, possibly, dermatitis.
- Inhaled:** Effects are typically those of most hydrocarbons, dizziness and euphoria leading to unconsciousness in severe cases. Vapors also irritate the respiratory tract. Symptoms may include coughing, difficult breathing and chest pain. A central nervous system depressant.
- Chronic:** Chronic exposure may lead to central nervous system complications, blood changes (aplastic anemia, a rare occurrence that is potentially fatal), and dermatitis. Animal studies have indicated the potential for liver and kidney damage.
- Aggravation of Pre-existing Conditions - Persons with pre-existing skin disorders or eye problems or impaired kidney function may be more susceptible to the effects of the substance.

First Aid

- Advice** For advise, contact a Poisons Information Centre (Phone eg. Australia 13 11 26; New Zealand 03 4747 000 [Not after May 2005] or 0800 764 766 or a doctor at once).
- Swallowed** If swallowed, do NOT induce vomiting.
- Eyes** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Skin** If skin contact occurs, immediately remove contaminated clothing. Flush skin under water for 15 minutes. They apply calcium gluconate gel. Contact the Poisons Information Centre.

Safety Points

Wear eye protection when mixing or using.
Wear protective gloves when mixing or using
Do not mix with hot water

Advice to Doctor:

Treat symptomatically

PRECAUTIONS FOR USE

Exposure Standards: Airborne Exp. Limits: -OSHA Permissible Exposure Limit (PEL): 500 ppm (TWA)
ACGIH Threshold Limit Value (TLV): 100 ppm (TWA)

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. Use explosion-proof equipment.

Personal Protection:

Personal Respirators: (NIOSH Approved) If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Flammability: Flammability – 2

SAFE HANDLING INFORMATION

Storage and Transport: Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.



Domestic (Land, D.O.T.) Proper Shipping Name:	Petroleum Distillates, N.O.S. (Stoddard Solvent)
Hazard Class:	3
UN/NA:	UN1268
Packing Group:	III
Information reported for product/size:	20L
International (Water, I.M.O.) Proper Shipping Name:	Petroleum Distillates, N.O.S. (Stoddard Solvent)
Hazard Class:	3
UN/NA: UN1268	
Packing Group:	III
Information reported for product/size:	20L

Spills and Disposal:

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

Fire/Explosion Hazard:

Fire:	Flash point: 38C (100F) CC
Autoignition temperature:	232 - 260C (450 - 500F)
Flammable	This liquid is near its lower flammability limit at room temperature. Flash point may range between 38-40 C. Contact with strong oxidizers may cause fire.
Explosion:	Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Sealed containers may rupture when heated. Sensitive to static discharge.
Fire Extinguishing Media:	Water spray, dry chemical, alcohol foam, or carbon dioxide. Direct stream of water can scatter and spread flames.
Special Information:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire exposed containers cool.

OTHER INFORMATION

Stability and Reactivity

Stability:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:	Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Strong acids, strong oxidizers.
Conditions to Avoid:	Heat, flames, ignition sources and incompatibles.



Toxicological Information

Eye - Standard Draize Test Rabbit, Dose: 500 mg/24H; Reaction: Moderate

Ingredient	Known	Anticipated	IARC Category
Stoddard Solvent (8052-41-3)	No	No	None

Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

NFPA Ratings

Health: 3
Flammability: 2
Reactivity: 0

Label Hazard Warning: Danger! Harmful or fatal if swallowed. Affects central nervous system. May affect kidneys. Flammable liquid and vapor. Harmful if inhaled. Causes irritation to skin, eyes and respiratory tract.

Label Precautions: Keep away from heat, sparks and flame. Avoid breathing vapor. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing.

Label First Aid: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

CONTACT POINT

ORGANISATION	TELEPHONE	ASK FOR
Poisons Information Centre – Australia Wide	131126	
Sierra Aust Pty Ltd	+61-(0)7-32165099	Glyn McDonald
Fire Brigade	000	Fire Brigade
Police	000	Police

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