

SAFETY DATA SHEET



Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name:	WHITE SPIRITS
Proper Shipping Name	Flammable Liquid N.O.S
Recommended use:	Degreasing Solvent
Restrictions of use:	Refer to Section 15
Company Details	Marketing Chemicals Ltd
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Emergency Telephone:	+64 274 340990(24 hours) National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation	3 September 2024 v2

Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Cleaning Products (Corrosive) - HSR0002528

Pictograms:



Signal Word: Warning

GHS Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 3	H226	Flammable liquid and vapour.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical, ventilating and lighting] equipment
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P331	Do NOT induce vomiting.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Dry chemical, foam, or carbon dioxide to extinguish.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
White Spirit	>95%	8052-41-3

Section 4: First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.
Ingestion:	Do not Induce Vomiting. Get immediate medical attention.
Inhalation:	Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

NOTES TO PHYSICIAN: Exposure to high concentrations of this material (e.g., in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	Not applicable
Skin	Not applicable
Eyes	Causes serious eye irritation.

For Further Information Telephone (24 Hours) The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Hazard Type	Flammable.
Hazards from products	Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect. away from those fumes.
Suitable Extinguishing media	Dry chemical, foam, or carbon dioxide.
Precautions for firefighters and special protective clothing	Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.
HAZCHEM CODE	3YE

Section 6: Accidental Release Measures

SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other means. Don't flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

Section 7: Handling And Storage

Handling

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Open container slowly to relieve any pressure.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required.

Storage:

- Store in a well-ventilated place. Keep cool and dry.
- Store locked up.
- Keep container tightly closed.
- Store away from incompatible materials listed in Section 10.

Section 8: Exposure Controls/Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
White spirits (Stoddard solvent) [8052-41-3]	100	525	–	–

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.

Personal Protection Equipment



- Engineering Controls:** General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.
- Eye / Face Protection:** Wear safety glasses with side shields or goggles when handling this material.
- Body Protection:** PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.
- Respiratory Protection:** Use NIOSH/MSHA approved respirators.

Section 9: Physical And Chemical Properties

Appearance	Liquid
Colour	Clear Colourless
Odour	Solvnt odour
Odour Threshold	Not available
pH	Not applicable
Boiling Point	Boils over a range, typically 150 - 190 °C
Melting Point	Not available
Freezing Point	Not available
Flash Point	38-43 ⁰ C
Flammability	Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	0.84
Solubility in Water	Immiscible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable
Evaporation Rate	Not available

Section 10: Stability And Reactivity

Stability of the Substance: Stable

Conditions to avoid: Exposure to excessive heat, open flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes.

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Oxides of Carbon when burned.

Conditions Contributing to Hazardous Polymerization Will not occur

Section 11: Toxicological Information

Acute Effects

Eyes: SPECIES: Rabbit
 RESULT: The test substance was applied at 0.1 ml to the conjunctival sac of one eye of each of 6 rabbits (sex not reported) Mild iritis was observed in most eyes at 1 hour; slight corneal opacity was observed in 2 eyes at 24 hours, and 1 eye at 48 hours. Moderate conjunctival irritation was present in most eyes at 1 and 24 hours, but was slight at 48 and 72 hours. All eyes were normal by 7 days.

Skin: Causes mild skin irritation. SPECIES: Rabbit :RESULT: Moderate

Ingestion: May be harmful if swallowed: SPECIES: Rat; ENDPOINT: LD50 ;VALUE: 3280 mg/kg

Inhalation: SPECIES: Rat; ENDPOINT: LC50; VALUE: 18 g/m3/4h = 18 mg/L/4h

Dermal: Not applicable

Chronic Effect:

Carcinogenicity: Not applicable
Reproductive Toxicity Not applicable.
Germ Cell Mutagenicity Not applicable.
Aspiration Not applicable.
STOT/SE Not applicable.
STOT/RE Not applicable.

Section 12: Ecological Information

Toxic to aquatic life with long lasting effects.

Environmental Precautions: Do not allow product to wash into waterways.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

9.1B (fish) SPECIES: Pimephales promelas (fathead minnow);
 TYPE OF EXPOSURE:Flow through ;DURATION: 96 hr ;ENDPOINT: LC50 ;VALUE: 7.72 mg/l

9.1B (crustacean) SPECIES: Cancer magister, Dungeness or edible crab
 TYPE OF EXPOSURE: Static; DURATION: 48 hr:

ENDPOINT: LC50 (Mortality); VALUE: 17000 ug/L (= 17 mg/l)

Section 13: Disposal Considerations

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry. This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers

Section 14: Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	1993
Class - Primary	3
Packing Group	III
Proper Shipping Name	FLAMMABLE LIQUID N.O.S
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Cleaning Products (Flammable) - HSR0002528

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	500L(>5L), 1500L(<5L)< 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Restriction of Use	None

Section 16: Other Information

Glossary

EC₅₀ Median effective concentration.
EEL Environmental Exposure Limit.

EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

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