



# SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

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

Product: **White Spirits**  
Product Use: Degreasing Solvent  
Restriction of Use: Refer to Section 15

Company Details: **Marketing Chemicals Ltd**  
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**0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 6 September 2019

## Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: **Cleaning Products (Flammable) - HSR0002528**

### Pictograms:



Flammable Ecotoxic

Signal Word: **DANGER**

| HSNO Classes | Hazard Code | Hazard Statement                                 | GHS Category      |
|--------------|-------------|--|-------------------|
| 3.1C         | H226        | Flammable liquid and vapour.                     | Flam. Liq. 3      |
| 6.1E (oral)  | H303        | May be harmful if swallowed.                     | Acute Tox. 5      |
| 6.3B         | H316        | Causes mild skin irritation.                     | Skin Irrit. 3     |
| 9.1B         | H411        | Toxic to aquatic life with long lasting effects. | Aquatic Chronic 2 |

| Prevention Code | Prevention Statement  |
|-----------------|---|
| P102            | Keep out of reach of children.  |
| P103            | Read label before use.  |
| P210            | Keep away from heat, sparks, open flames or hot surfaces. No smoking. |
| P233            | Keep container tightly closed.  |
| P240            | Ground/bond container and receiving equipment.                        |
| P241            | Use explosion-proof electrical/ventilating/lighting.                  |
| P242            | Use only non-sparking tools.  |
| P243            | Take precautionary measures against static discharge.                 |
| P273            | Avoid release to the environment.                                     |
| P280            | Wear protective clothing as detailed in Section 8.                    |

| <b>Response code</b> | <b>Response Statement</b>  |
|----------------------|--|
| P101                 | If medical advice is needed, have product container or label at hand.                                      |
| P312                 | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P391                 | Collect spillage.  |
| P303 + P361+P353     | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P332 + P313          | If skin irritation occurs: Get medical advice/ attention.  |
| P370 + P378          | In case of fire: Use CO2, Dry Chemical or Foam, Water spray or Fog for extinction.                         |

| <b>Storage Code</b> | <b>Storage Statement</b>                     |
|---------------------|--|
| P403 + P235         | Store in a well-ventilated place. Keep cool. |

| <b>Disposal Code</b> | <b>Disposal Statement</b> |
|----------------------|---------------------------|
| P501                 | Refer to Section 13.      |

### Section 3: Composition/Information on Ingredients

| Ingredients  | Wt% | CAS NUMBER. |
|--------------|-----|-------------|
| White Spirit | >95 | 8052-41-3   |

### Section 4: First Aid Measures

Routes of Exposure:

|              |   |
|--------------|---|
| If in Eyes   | Rinse cautiously with water for several minutes. If eye irritation persists: If eye irritation persists: Get medical advice/attention.  |
| If on Skin   | Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.   |
| If Swallowed | Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed. |
| If Inhaled   | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.             |

#### Most important symptoms and effects, both acute and delayed

Symptoms:

|                   |                              |
|-------------------|------------------------------|
| <b>Ingestion</b>  | May be harmful if swallowed. |
| <b>Inhalation</b> | Not applicable.              |
| <b>Skin</b>       | Causes mild skin irritation. |
| <b>Eyes</b>       | Not applicable.              |
| <b>Chronic</b>    | Not applicable.              |

### Section 5: Fire Fighting Measures

|  |  |
|--|--|
| <b>Hazard Type</b>                         | Flammable Liquid or vapour             |
| <b>Flash Point</b>                         | 38 - 41°C                              |
| <b>Auto Ignition Point</b>                 | Not applicable.                        |
| <b>Flammable Limits in Air % by Volume</b> | 0.6 – 8.0                              |
| <b>Hazards from combustion products</b>    | Oxides of Carbon when burned.          |
| <b>Suitable Extinguishing</b>              | Dry chemical, foam, or carbon dioxide. |

|   |  |
|---|--|
| <b>media</b>  |  |
| <b>Precautions for firefighters and special protective clothing</b> | 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. Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect. away from those fumes. |
| <b>HAZCHEM CODE</b>   | <b>3Y</b>  |

## 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

### PROCEDURE FOR 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 REQUIREMENTS

- Store locked up, in a well-ventilated place. Keep cool and dry.
- 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 <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| 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 2017 9TH EDITION.

### Personal Protection Equipment



|                                |  |
|--------------------------------|--|
| <b>Engineering Controls:</b>   | 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. |
| <b>Eye / Face Protection:</b>  | Wear safety glasses with side shields or goggles when handling this material.  |
| <b>Body Protection:</b>        | PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.   |
| <b>Respiratory Protection:</b> | Use NIOSH/MSHA approved respirators.   |

## Section 9: Physical and Chemical Properties

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

## Section 10: Stability and Reactivity

|  |   |
|--|---|
| <b>Stability of the Substance:</b>                         | Stable under normal storage and use conditions.   |
| <b>Conditions to avoid:</b>                                | Exposure to excessive heat, open flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes. |
| <b>Materials to avoid:</b>                                 | Strong oxidising agents   |
| <b>Hazardous Decomposition Products:</b>                   | Oxides of Carbon when burned.   |
| <b>Conditions Contributing to Hazardous Polymerization</b> | Not known.  |

## Section 11: Toxicological Information

### Acute Effects:

|                   |   |
|-------------------|---|
| <b>Swallowed</b>  | May be harmful is swallowed.<br>SPECIES: Rat; ENDPOINT: LD50 ;VALUE: 3280 mg/kg |
| <b>Dermal</b>     | Not applicable.   |
| <b>Inhalation</b> | Not applicable.<br>SPECIES: Rat; ENDPOINT: LC50; VALUE: 18 g/m3/4h = 18 mg/L/4h |

|             |                              |
|-------------|------------------------------|
| <b>Eye</b>  | Not applicable.              |
| <b>Skin</b> | Causes mild skin irritation. |

**Chronic Effects:**

|                               |                 |
|-------------------------------|-----------------|
| <b>Carcinogenicity</b>        | Not applicable. |
| <b>Reproductive Toxicity</b>  | Not applicable. |
| <b>Germ Cell Mutagenicity</b> | Not applicable. |
| <b>Aspiration</b>             | Not applicable. |
| <b>STOT/SE</b>                | Not applicable. |
| <b>STOT/RE</b>                | Not applicable. |

**Section 12: Ecotoxicological Information**

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

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

|                                      |   |
|--------------------------------------|---|
| <b>Persistence and degradability</b> | Expected to be biodegradable                        |
| <b>Bioaccumulation</b>               | not bio accumulative                                |
| <b>Mobility in Soil</b>              | No data available                                   |
| <b>Other adverse effects</b>         | Oxidized rapidly by photochemical reactions in air. |

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**

**Disposal Method:**

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. This product is ashless and can be burned directly in appropriate equipment.

**Precautions or methods to avoid:** Do not allow to enter waterways.

**Section 14: Transport Information**

This product is classified as a **Dangerous Good for transport in NZ ; NZS 5433:2012**



**Road, Rail, Sea and Air Transport**

|                             |                        |
|-----------------------------|------------------------|
| <b>UN No</b>                | 1993                   |
| <b>Class - Primary</b>      | 3                      |
| <b>Packing Group</b>        | III                    |
| <b>Proper Shipping Name</b> | FLAMMABLE LIQUID N.O.S |
| <b>Marine Pollutant</b>     | Yes                    |

|                           |   |
|---------------------------|---|
| <b>Special Provisions</b> | If the product's individual container is below 5L, 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. |
| <b>Hazchem Code</b>       | 3Y  |

## Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products(Flammable) – HSR002528

HSNO Classification: 3.1C, 6.1E(oral), 6.3B, 9.1B

| 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                | 1000L (3.1C)                     |
| Emergency Response Plan                   | 1000L (9.1B)                     |
| Secondary Containment                     | 1000L(9.1B)                      |
| Restriction of Use                        | None known                       |

## Section 16: Other Information

### Glossary

|                  |   |
|------------------|---|
| EC <sub>50</sub> | Median effective concentration.   |
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority  |
| HSNO             | Hazardous Substances and New Organisms.   |
| HSW              | Health and Safety at Work.  |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | 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 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
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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