

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

Product: **T555 Solvent**
 Product Use: Paint Thinners
 Restriction of Use: Refer to Section 15

Company Details: **Marketing Chemicals Ltd**
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Date of SDS Preparation: 4 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 (Flammable) - HSR002528

Pictograms:



Flammable



Toxic/Irritant



Chronic

Signal Word: **DANGER**

| GHS Category | Hazard Code | Hazard Statement |
|---|-------------|--|
| Flammable Liquids Cat. 2 | H225 | Highly flammable liquid and vapour. |
| Acute oral toxicity Cat. 4 | H302 | Harmful if swallowed. |
| Aspiration hazard Cat. 1 | H304 | May be fatal if swallowed and enters airways. |
| Skin irritation Cat. 2 | H315 | Causes skin irritation. |
| Eye irritation Cat. 2 | H319 | Causes serious eye irritation. |
| Reproductive toxicity Cat. 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity – repeated exposure Cat. 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |
| specific target organ toxicity - single exposure Cat 3 - Narcotic Effects | H336 | May cause drowsiness or dizziness. |
| Hazardous to the aquatic environment chronic Cat. 3 | H412 | Harmful to aquatic life with long lasting effects. |

| Prevention Code | Prevention Statement |
|-----------------|--------------------------------|
| P102 | Keep out of reach of children. |

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|------|---|
| P103 | Read label before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, sparks, open flames and hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical, ventilating, and lighting. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe fumes, vapours or spray. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| 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. |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. |
| P314 | Get medical advice/attention if you feel unwell. |
| P330 | Rinse mouth. |
| P331 | Do NOT induce vomiting. |
| P362 | Take off contaminated clothing and wash before re-use. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| 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. |
| P332 + P313 | If skin irritation occurs: Get medical advice/ attention. |
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370 + P378 | In case of fire: Use dry chemical powder, carbon dioxide, or water spray for extinction. |

| Storage Code | Storage Statement |
|---------------------|--|
| P405 | Store locked up. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |

| Disposal Code | Disposal Statement |
|----------------------|---------------------------|
| P501 | Refer to Section 13. |

Section 3: Composition/Information on Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|------------------------|------------|--------------------|
| Pegasol 1425 | < 60 | 64742-49-0 |
| Toluene | < 60 | 108-88-3 |
| Isopropyl Alcohol | < 60 | 67-63-0 |
| Acetone | < 60 | 67-64-1 |
| Methyl Isobutyl Ketone | < 10 | 108-10-1 |

Section 4: First Aid Measures

Routes of Exposure:

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| If in Eyes | Hold eyes open and rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do after the first 5 minutes. Continue rinsing for at least 15 minutes. Get medical attention if irritation persists. |
|------------|---|

| | |
|--------------|---|
| If on Skin | Remove immediately all contaminated clothing and footwear. Wash affected area with plenty of water followed by soap and water. Get medical advice if irritation persists. Wash contaminated clothing/footwear before re-use. |
| 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:

| | |
|-------------------|---|
| Ingestion | Harmful if swallowed. |
| Inhalation | May cause drowsiness or dizziness. |
| Skin | Causes skin irritation. |
| Eyes | Causes severe eye irritation. |
| Aspiration | May be fatal if swallowed and enters airways. |
| Chronic | Suspected of damaging fertility or the unborn child. May cause damage to organs through repeated or prolonged exposure. |

Section 5: Fire Fighting Measures

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|---|--|
| Hazard Type | Flammable Liquid |
| Hazards from combustion 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.

Dispose according to Local Regulations

Section 7: Handling and Storage

Handling:

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Keep container tightly closed. Open slowly to relieve any pressure.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, and lighting.
- Use only non-sparking tools.

- Take precautionary measures against static discharge. This material can accumulate static charge by flow or agitation. Vapours can be ignited by static discharge.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Use personal protective equipment as required.

Storage:

- Store locked up.
- Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- 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 |
| Toluene (skin) | [108-88-3] | 20 | 75 | 100 | 377 |
| Isopropyl alcohol | [67-63-0] | 400 | 983 | 500 | 1,230 |

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 | Solvent |
| Odour Threshold | Not available |
| pH | Not applicable |
| Boiling Point | Not applicable |
| Melting Point | Not applicable |
| Freezing Point | Not applicable |

| | |
|---|----------------|
| Flash Point | 4°C |
| Flammability | Flammable |
| Upper and Lower Explosive Limits | 1.2% to 8% |
| Vapour Pressure | Not applicable |
| Vapour Density | 3.0 |
| Specific Gravity | 0.80 |
| Solubility in Water (mg/l) | Partly soluble |
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | 485°C |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Particle Characteristics | Not applicable |

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. |

Section 11: Toxicological Information

Acute Effects:

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|-------------------|---|
| Swallowed | Harmful if swallowed. Rat; ENDPOINT: LD50 ;VALUE: 3280 mg/kg |
| Dermal | May cause drowsiness or dizziness. |
| Inhalation | Not applicable. SPECIES: Rat; ENDPOINT: LC50; VALUE: 18 g/m ³ /4h = 18 mg/L/4h |
| Eye | Causes severe eye irritation. 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 skin irritation. |

Chronic Effects:

| | |
|-------------------------------|--|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Suspected of damaging fertility or the unborn child. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | May be fatal if swallowed and enters airways. |
| STOT/SE | Not applicable. |
| STOT/RE | May cause damage to organs through repeated or prolonged exposure. |

Section 12: Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

(fish)

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

(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)

| | |
|--------------------------------------|-------------------|
| Product: | |
| Persistence and degradability | No data available |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Do not allow to enter waterways.

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.

Precautions or methods to avoid: This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams, or rivers. This product is ash less and can be burned directly in appropriate equipment.

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 | II |
| Proper Shipping Name | FLAMMABLE LIQUID, N.O.S, CONTAINS TOLUENE |
| Marine Pollutant | No |
| Special Provisions | If the product's individual container is below 1L, 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) - HSR002528

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|--------------------------------|
| Certified Handler | Not required |
| Location Certificate | 100L(>5L), 250L(<5L)< 50L open |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 250 L |
| Emergency Response Plan | 1000 L |
| Secondary Containment | 1000 L |

Section 16: Other Information

Glossary

| | |
|------------------|---|
| EC ₅₀ | 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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Issue Date: 4 September 2024

Review Date:

4 September 2029