SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product:	**NPD 100 Plus**
Product Use:	Fuel
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	**Nelson Petroleum Distributors**
Address:	13 McPherson Street Richmond Nelson 7050
Telephone:	+64 3 544 6162
Emergency No:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	25 June 2025 v2

Section 2. Hazards Identification

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

EPA Approval No: HSR101436

Pictograms:

Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 1	H224	Extremely flammable liquid and vapour.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Carcinogenicity Cat. 2	H351	Suspected of causing cancer.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
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.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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.
P260	Do not breathe fumes, vapours or spray.
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.
P314	Get medical advice/attention if you feel unwell.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P370 + P378	In case of fire: Use CO2, dry powder or foam for extinction.

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

Disposal Code	**Disposal Statement**
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	**Wt%**	**CAS NUMBER.**
Petrol	< 98%	86290-81-5
N-methyl aniline	2-3%	100-61-8
Additives	< 0.1%	--

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin — Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

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 immediate medical attention.

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: May be fatal if swallowed and enters airways. May cause pulmonary

	oedema and chemical pneumonitis. May be harmful if swallowed. Abdominal pain, nausea, blue lips/fingernails.
Inhalation:	May cause respiratory irritation, May cause drowsiness, dizziness, headaches and other anaesthetic effects.
Skin:	Causes mild skin irritation. Redness, itchiness.
Eye:	May cause eye irritation. Redness, itchiness, lacrimation.
Chronic:	Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Section 5. Fire Fighting Measures

Hazard Type	Extremely Flammable fuel. Vapours may travel considerable distances to a source of ignition. Closed containers may explode when exposed to extreme heat - remove only if safe to do so.
Hazards from combustion products	Oxides of carbon, possible irritating or toxic fumes.
Suitable Extinguishing media	Use CO2 for small fires, dry powder and foam for others.
Precautions for firefighters and special protective clothing	Use equipment suitable for petrol fires (self-contained breathing apparatus and protective equipment).
HAZCHEM CODE	**3YE**

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8 - approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.
Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Do not allow to enter drains and water courses.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- For use as a motor fuel only. Do not use as a cleaning solvent. Do not siphon by mouth.
- Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use personal protective equipment as required.
- Use personal protective equipment as required.
- Use only outdoors or in a well-ventilated area.
- Take precautionary measures against static discharge. This product is a static accumulator.
- Food, beverages and tobacco products should not be stored or consumed where this material is in use.
- Always wash hands before smoking, eating, drinking or using the toilet.
- Wash contaminated clothing and other protective equipment before storage or re-use.
- Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

- Keep container tightly closed.
- Avoid release to the environment.

Precautions for Storage:

- Keep out of reach of children.
- Store locked up.
- Store in a cool, dry and well-ventilated area.
- Keep container tightly closed when not in use. Only use approved containers.
- Protect from heat, sparks, open flames and other sources of ignition.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
N-Methyl aniline [100-61-8]	0.5	2.2	1	4.4

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 FEB 2025 15TH EDITION.

Engineering Controls

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

Personal Protection Equipment:

Eyes	Eye and face protectors for protection against splashing materials or liquids. See AS/NZS 1337 for more information.
Hands	Chemical resistant nitrile or viton gloves are recommended. See AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Skin	Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See AS/NZS 4501 for more information.
Respiratory	Use an approved organic vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See AS/NZS 1715 and 1716 for more information.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Purple
Odour	Petroleum
Odour Threshold	Not available
pH	Not applicable

Boiling Point	> 20°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	-40°C (ASTM D-56)
Flammability	Extremely flammable
Upper and Lower Explosive Limits	Upper: 8.2 Vol % Lower: 1.2 Vol %
Vapour Pressure	69 kPa (at 34°C)
Vapour Density	Not available
Specific Gravity	0.72 - 0.78 (at 15°C)
Water Solubility	Immiscible
Partition Coefficient:	>3 log POW
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	<1 cSt (at 40°C)

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation will not occur.
Conditions to Avoid	Heat, sparks, open flames and other sources of ignition.
Incompatible Materials	Strong oxidising agents, strong acids, bases and halogens.
Hazardous Decomposition Products	Oxides of carbon and sulphur, aldehydes, incomplete combustion products and smoke.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable. May cause drowsiness, dizziness, headaches and other anaesthetic effects.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Suspected of causing cancer.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	Prolonged or repeated exposure may cause potentially irreversible damage to the nervous system, kidneys and liver. May cause skin dryness and defatting leading to dermatitis.

Individual component information: Acute Toxicity:

Chemical Name	Oral - LD50	Dermal - LD50	Inhalation - LC50
Petrol	>5000 mg/kg (rat)	>2000mg/kg (rabbit)	>5000mg/m3 (rat)
N-methyl aniline	50-300 mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

Toxic to aquatic life with long lasting effects.

Product:	
Persistence and degradability	Expected to be inherently biodegradable.
Bioaccumulation	Bioaccumulation is not expected to occur.
Mobility in Soil	Expected to be mobile.
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details): Petrol (CAS 86290-81-5

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Fish	96 hr	100 mg/L
Acute aquatic, Crustacean	Daphnia	48 hr	100 mg/L
Acute aquatic, Algal	Chlorella protothecoides (Green algae)	72hr (static)	>1000 mg/L
Bioaccumulative	Not expected to occur		
Rapidly Degradable	No		

N-methyl aniline (CAS 100-61-8):
No data available – Please refer to www.epa.govt.co.nz for full details

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method: Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable, Chronic, Ecotoxic" and that the label also has the Flammable, Chronic, and Ecotoxic Pictograms, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

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

Road, Rail, Sea and Air Transport

UN No	1203
Class - Primary	3
Packing Group	II
Proper Shipping Name	MOTOR SPIRIT or GASOLINE or PETROL
Marine Pollutant	Yes
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 No: HSR101436

HSW (HS) Regulations 2017 and EPA Notices	**Trigger Quantity**
Certified Handler	Not required
Location Certificate	50L
Signage Trigger Quantities (Schedule 3)	50L
Fire Extinguishers (Schedule 4)	50L – 1x extinguisher 200L – 2x extinguishers
Emergency Response Plan (Schedule 5)	100L
Secondary Containment (Schedule 5)	100L
Tracking (Schedule 26)	Not required
Restriction of Use	Only use as a fuel.
HSNO Additional Controls (Restrictions of use)	
S 77 – Restriction to Workplaces	NPD 100 PLUS is excluded from Clause 13 of the HPC Notice and the prescribed control is removed.
S 77 – Management of large quantities	Clause 19 of the HPC notice applies as if the substance were listed in Schedule 3 of the HPC notice and exceeds 50 L as the specified quantity.
S 77A - Restriction on petrol impurities	The following limitations apply to the composition of the component petrol (unleaded): • Aromatic hydrocarbons: maximum 55% (volume) • Benzene: maximum 1% (volume) • Additives: (each < 0.1% w/w) o azo dyes o antioxidants o metal deactivator o corrosion inhibitor • Detergent additives: (each < 0.5% w/w)
Hazardous Property Controls Notice 2017	
Tolerable Exposure Level (TEL)	Benzene TEL_{air} 10 µg/m^3 TEL_{water} 10 µg/L Toluene TEL_{air} 400 µg/m^3 TEL_{water} 800 µg/L Xylene TEL_{air} 870 µg/m^3 TEL_{water} 600 µg/L
Environmental Exposure Level (EEL)	EEL $_{water}$ benzene = 2000 µg/L EEL $_{water}$ toluene = 330 µg/L EEL $_{water}$ o-xylene = 640 µg/L EEL $_{water}$ m/p-xylene = 340 µg/L

Section 16 Other Information

Glossary

Cat	Category
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 FEB 2025 15th 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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact the New Zealand distributor, if further information is required.

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