

# SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 01.09.2018

Revision: 01.09.2018

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name: NPD 100 PLUS****Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Fuel**Details of Manufacturer or Importer:**

Nelson Petroleum Distributors LTD

13 McPherson Street

Richmond

Nelson 7050

**Phone Number:** (+64 ) 3544 6163**Emergency telephone number:** 0800 764 766

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.



flame

Flammable Liquids 1 H224 Extremely flammable liquid and vapour.



health hazard

Carcinogenicity 2 H351 Suspected of causing cancer.

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Skin Corr. 3 H316 Causes mild skin irritation.

**HSNO Classification**

3.1A - Flammable liquid - very high hazard.

6.1E - Substances that are acutely toxic - May be harmful, Aspiration hazard.

6.3B - Substances that are mildly irritating to the skin.

6.7B - Substances that are suspected human carcinogens.

9.1B - Substances that are ecotoxic in the aquatic environment.

**Signal Word** Danger**Hazard Statements**

H224 Extremely flammable liquid and vapour.

H316 Causes mild skin irritation.

H351 Suspected of causing cancer.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

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

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**Precautionary Statements**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P370+P378	In case of fire: Use to extinguish: CO2, powder or water spray.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 86290-81-5	Gasoline	> 95%
	 Flammable Liquids 1, H224;  Germ Cell Mutagenicity 1B, H340; Carcinogenicity 1B, H350; Toxic To Reproduction 2, H361; Aspiration Hazard 1, H304;  Aquatic Chronic 2, H411;  Skin Corrosion/Irritation 2, H315; STOT SE 3, H336; Aquatic Acute 2, H401	

**Additional information:** This product contains a performance enhancing additive present at <3%

## 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

If product is injected under the skin seek immediate medical attention as surgery may be required.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

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**Symptoms Caused by Exposure:**

Inhalation: May cause respiratory irritation, May cause drowsiness, dizziness, headaches and other anaesthetic effects.

Skin Contact: Causes mild skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be fatal if swallowed and enters airways. May cause pulmonary oedema and chemical pneumonitis.

**Medical Attention and Special Treatment:**

There may be no initial symptoms from high pressure injection, but prompt surgical treatment may significantly reduce the ultimate extent of injury.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, dry chemical or carbon dioxide. Do not use full water jet.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of carbon and sulphur, aldehydes, incomplete combustion products and smoke.

Product is extremely flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear 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.

**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.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**

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 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.

**Conditions for Safe Storage:**

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. Keep away from strong oxidising agents, strong acids, bases and halogens.

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**8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Standards:****CAS: 86290-81-5 Gasoline**

WES	STEL: 1480 mg/m <sup>3</sup> , 500 ppm
	TWA: 890 mg/m <sup>3</sup> , 300 ppm

**Engineering Controls:**

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

**Respiratory Protection:**

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 Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Chemical resistant nitrile or viton gloves are recommended. See Australian/New Zealand Standard 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.

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 Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

**9 . PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Purple
<b>Odour:</b>	Petroleum
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>20 °C
<b>Flash Point:</b>	<-40 °C (ASTM D-56)
<b>Flammability:</b>	Extremely flammable
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	1.2 Vol %
<b>Upper:</b>	8.2 Vol %
<b>Vapour Pressure at 34 °C:</b>	69 kPa
<b>Relative Density at 15 °C:</b>	0.72 - 0.78
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	>10 (Butyl acetate = 1)
<b>Solubility in Water:</b>	Negligible
<b>Partition Coefficient (n-octanol/water):</b>	>3 log POW

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**Viscosity at 40 °C:**

&lt;1 cSt

**10 . STABILITY AND REACTIVITY****Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.**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.

**11 . TOXICOLOGICAL INFORMATION****Toxicity:****LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:****CAS: 86290-81-5 Gasoline**

Oral	LD <sub>50</sub>	>5,000 mg/kg (rat)
Dermal	LD <sub>50</sub>	>2,000 mg/kg (rabbit)
Inhalation	LC <sub>50</sub>	>5,000 mg/m <sup>3</sup> (rat)

**Acute Health Effects****Inhalation:**

May cause respiratory irritation, May cause drowsiness, dizziness, headaches and other anaesthetic effects.

**Skin:** Causes mild skin irritation.**Eye:** May cause eye irritation.**Ingestion:**

May be fatal if swallowed and enters airways. May cause pulmonary oedema and chemical pneumonitis.

**Skin Corrosion / Irritation:** Causes skin irritation.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** Suspected of causing cancer.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.**Chronic Health Effects:**

Prolonged or repeated exposure may cause potentially irreversible damage to the nervous system.

May cause skin dryness and defatting leading to dermatitis.

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

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**12 . ECOLOGICAL INFORMATION****Ecotoxicity:****Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

**CAS: 86290-81-5 Gasoline**EC<sub>50</sub>/48 h 100 mg/l (daphnia)EC<sub>50</sub>/72 h >1,000 mg/l (pseudokirchnerie lla subcapitata)LC<sub>50</sub>/96 h 100 mg/l (fish)**Persistence and Degradability:** Expected to be inherently biodegradable.**Bioaccumulative Potential:** Bioaccumulation is not expected to occur.**Mobility in Soil:** Expected to be mobile.**Other adverse effects:** No further relevant information available.**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14 . TRANSPORT INFORMATION****UN Number**

IMDG, IATA

UN1203

**Proper Shipping Name**

NZS 5433

IMDG, IATA

MOTOR SPIRIT or GASOLINE or PETROL

MOTOR SPIRIT or GASOLINE or PETROL

**Dangerous Goods Class**

NZS 5433

IMDG Class:

3 Flammable liquids.

3 Flammable liquids.

**Packing Group:**

NZS 5433

IMDG, IATA

II

II

**EMS Number:**

F-E,S-E

**Hazchem Code:**

3YE

**Special Provisions:**

243, 363

**Limited Quantities:**

1L

**Excepted quantities (EQ)**

E2

**Packagings & IBCs - Packing Instruction:**

P001, IBC02

**Portable Tanks & Bulk Containers - Instructions:** T4**Portable Tanks & Bulk Containers - Special**

Provisions:

TP1

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## 15 . REGULATORY INFORMATION

**HSNO Approval Code / Group Standard:**

Petrol (unleaded)

HSNO Approval Number: HRC000003

**New Zealand Inventory of Chemicals**

All ingredients are listed.

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision: 01.09.2018****Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percentLD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 1: Flammable liquids – Category 1

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1B: Carcinogenicity – Category 1B

Carcinogenicity 2: Carcinogenicity – Category 2

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

**Disclaimer**

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

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