

Date of issue: 31 March 2022
Revised by: Simonne Moses - HSNO Consultant SDS No: 1

Safety Data Sheet

PF Solvent

Classified as: Hazardous according to the EPA Hazardous Substances
(Hazard Classification) Notice 2020.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: PF Solvent

Supplier: TransNet NZ Ltd
78 Cryers Road
East Tamaki
Auckland 2013
New Zealand

Phone: +64 9 274 3340

Website: www.transnet.co.nz

Recommended Use: Cleaner, industrial use only

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

This product is classified as a Dangerous Good for Transport.

This product is classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classification) Notice 2020.

Classified under the group standard "Cleaning Products (Combustible) Group Standard 2020"

HSNO APPROVAL NUMBER: **HSR002525**

HSNO CLASSIFICATIONS: 3.1D – Combustible liquid
6.5B – Contact sensitiser
6.1E – Aspiration hazard
9.1B – Ecotoxic in the aquatic environment, chronic

GHS Classification: Flammable liquid – Category 4
Skin sensitisation – Category 1
Aspiration hazard - Category 1
Hazardous to the aquatic environment, chronic – Category 2

Hazard Statements:

H227 Combustible liquid
H317 May cause an allergic skin reaction

H304 May be fatal if swallowed and enters airways
H411 Toxic to aquatic life with long lasting effects

GHS Pictograms:



DANGER

PREVENTION STATEMENTS:

- P210 – Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P261 – Avoid breathing fumes/vapours/spray.
- P272 – Contaminated work clothing should not be allowed out of the workplace.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves, protective clothing, eye protection, face protection.

RESPONSE STATEMENTS:

- P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
- P331 – Do NOT induce vomiting.
- P302 + P352 – IF ON SKIN: Wash with plenty of water.
- P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
- P321 – Specific treatment is not required for this product.
- P362 + P364 – Take off contaminated clothing and wash it before reuse.
- P370 + P378 – In case of fire: Use water spray or fog, carbon dioxide, foam or dry powder to extinguish.
- P391 – Collect spillage.

STORAGE:

- P403 – Store in a well-ventilated place.
- P405 – Store locked up.

DISPOSAL:

- P501 – In accordance with the Consolidated EPA Hazardous Substances (Disposal) Notice 2017. Do not discharge to sewers, drains, or waterways. Refer to Section 13 of the SDS.

Other: Repeated exposure may cause skin dryness or cracking.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Main Component	CAS Number	Concentration
Hydrocarbons C11-13, Isoalkanes, <2% aromatics	246538-78-3	≥ 90%
Orange, sweet, extract	8028-48-6	≥ 7 - < 10%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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Section 4: FIRST AID MEASURES

Workplace Facilities Required: Eye wash and safety shower facilities should be provided.

If Inhaled: If inhalation of fumes/vapours/spray occurs, remove to fresh air. Seek medical attention if symptoms persist.

In Contact with Eye: Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists.

In Contact with Skin: Wash skin thoroughly with water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists.

If Swallowed: Do NOT induce vomiting. Seek immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is combustible.

Suitable Extinguishing Media: Use water spray or fog, carbon dioxide, foam, or dry powder. Do not use water jet. Contain fire water.

Precautions in Connection with Fire: May give off noxious fumes and dense smoke in a fire containing oxides of carbon.

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus. Remove containers from path of fire if safe to do so. Cool fire exposed containers with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan that meets the requirements of Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required when held in quantities greater than 1,000L.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Avoid contact with skin. Avoid generating fumes/vapours/spray. Remove ignition sources. Avoid release to the environment.

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves, protective overalls and footwear, safety goggles or face shield, and respiratory protection if there is a risk of inhaling fumes/vapours/spray.

Spill or Leak Procedures. Contain the spill. Absorb spilled material using inert absorbent material such as sand, earth, or kitty litter. Collect spilled material and absorbent and place in a suitable, closable chemical waste container. Ensure waste container is properly labelled.

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Waste Disposal Methods: Dispose of as per Section 13.

Emergency preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Do not breathe fumes/vapours/spray. Keep away from ignition sources, hot surfaces. Avoid release to the environment. Use in a well-ventilated area. Do not eat, drink, or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Store locked up in a well-ventilated area. Keep container closed when not in use.

Site Storage Requirements: Site Signage will be required when quantities exceed 1,000L.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product or its ingredients.

Engineering Controls: If use generates fumes/vapours/spray, use engineering controls such as local exhaust ventilation to ensure workers are not exposed to levels exceeding the exposure standards.

Personal Protective Equipment: Avoid contact with the skin and eyes. Avoid inhaling fumes/vapours/spray.

Hand protection: Wear protective gloves that are resistant to the product such as nitrile rubber. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Use protective overalls that fully covers arms and legs. Wash work clothes regularly. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use safety goggles. Refer to AS/NZS 1336 for suitable eye protection.

Respiratory protection: Where there is inadequate ventilation, use a respirator suitable for vapours such as a half-face mask with organic vapour cartridge. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information: PPE selected must be impervious to the substance. Do not eat, smoke, or drink where material is handled, processed, or stored. Wash hands carefully before eating, drinking, or smoking. Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Description: Liquid **Colour:** Colourless

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Odour:	Not available	Odour Threshold:	Not applicable
pH (20°C):	Not available	Solubility (water, 20°C):	Insoluble
Melting/Freezing point:	Not relevant	Boiling Point:	193°C
Flammability:	Combustible liquid	Flash Point:	>60°C
LEL/UEL:	0.6-7%	Vapour Pressure (20°C):	Not available
Vapour Density:	Not available	Evaporation Rate:	Not available
Decomposition Temp:	Not available	Autoignition Temp:	>200°C
Relative Density:	0.765 (water =1)	Particle characteristics:	Not applicable
Partition Coefficient: n-octanol/water	Not available	Viscosity:	<7 mm ² /s (40°C)

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: No reactions expected under normal conditions of storage and use.

Conditions to Avoid: Keep away from high temperatures, hot surfaces, sparks, ignition sources, open flames.

Incompatibility: Keep away from strong oxidisers.

Hazardous Decomposition: None under normal conditions of storage and use. Noxious gases and dense smoke containing oxides of carbon may form during a fire.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity: LD50 oral > 2000 mg/kg.
LD50 dermal > 5000 mg/kg
LC50 inhalation > 20 mg/L (vapour)

Inhalation: Inhalation of fumes, vapours or spray could cause coughing and shortness of breath.

Ingestion: Ingestion followed by vomiting may cause product to aspirate into lungs causing chemical pneumonia which may be fatal. May also cause nausea, and gastrointestinal upset.

Skin Contact: Not expected to be a skin irritant.

Eye Contact: Not expected to be an eye irritant.

Sensitiser: Product is a contact sensitiser and may cause an allergic skin reaction. Not expected to be a respiratory sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant No chronic toxicity effects expected.

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Specific Target Organ Systemic Toxicity: No effects expected.

Toxicity data is based on hazardous ingredient information.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC/EC₅₀ >1 - <10 mg/L.

Product is ecotoxic in the aquatic environment with long-lasting effects. Avoid losses of product to the environment wherever possible.

Persistence/degradability: No data available for product. Contains ingredients that are not readily biodegradable.

Bioaccumulation: No data available for product.

Mobility: Product is insoluble in water.

Ecotoxicity data is based on hazardous ingredient information.

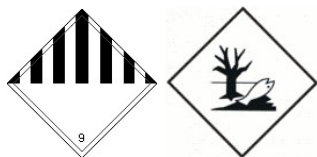
Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Packaging may contain product residues and should be treated as hazardous. Dispose of packaging via an approved waste disposal contractor.

Section 14: TRANSPORT INFORMATION

The product is classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.



NZS5433:2020

UN No: 3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Orange sweet extract)

Class: 9

Packing Group: III

Limited Quantity: 5L

IMDG:

UN No: 3082

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Orange sweet extract)

Class: 9

Packing Group: III

Marine Pollutant: Yes

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EmS: F-A, S-F
Limited Quantity: 5L

IATA:
UN No: 3082
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Orange sweet extract)
Class: 9
Packing Group: III
ERG Code: 9L

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Cleaning Products (Combustible) Group Standard 2020
HSNO Approval Code: HSR002525
Classifications: Flammable liquid – Category 4
Skin sensitisation – Category 1
Aspiration hazard - Category 1
Hazardous to the aquatic environment, chronic – Category 2
NZIOC: All ingredients are listed in the New Zealand Inventory of Chemicals database.
This substance triggers:

Compliance Certificate	N/A
Certified Handler	N/A
Emergency Response Plan	1,000L
Secondary Containment	1,000L
Signage	1,000L

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a cleaning product. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

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SDS Issued: 31 March 2022

Reason for Revision: Update to New Zealand regulatory requirements.

References:

EPA NZ NZIOC
European Chemical Classification Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014
Supplier SDS: Socomore PF Solvent, August 2021

END OF SAFETY DATA SHEET