Safety Data Sheet
According to HSNO Regulations

Solvent

SECTION 1: Identification

Product identifier

Product name: Solvent

Product code: 40401; 40404; 40405; 40416

Additional information: No additional information available.

Recommended use of the product and restriction on use:

Relevant identified uses: Solvent

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

P.O.R. Products
38 Portman Road
New Rochelle, NY 10801
914-636-0700

Supplier:

HGLB Holdings
30 Victoria Street
Petone 5012
021 446682
sales@por15nz.com

Emergency telephone number:

ChemTel Inc.

+1 813 248 0585

Poisons Information Center, New Zealand

0800 764 766

SECTION 2: Hazards identification

Classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2017

HSNO Classification or Subclasses – Physical hazards:

Class	GHS Category	HSNO Category
Flammable liquids	Category 3	3.1C

HSNO Classification or Subclasses – Health hazards:

Class	GHS Category	HSNO Category
Aspiration hazard	Category 1	6.1E
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Carcinogenicity	Category 2	6.7B

HSNO Classification or Subclasses – Environmental hazards:

Class	GHS Category	HSNO Category
None known	None known	None known

GHS classification:

Flammable liquids, category 3
Aspiration hazard, category 1
Specific target organ toxicity - single exposure, category 3, respiratory irritation
Specific target organ toxicity - single exposure, category 3, central nervous system
Carcinogenicity, category 2

Solvent

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements and Precautionary statements:

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
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/light/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 If swallowed: Immediately call a poison center or doctor/physician.
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.
P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
P308+P313 If exposed or concerned: Get medical advice/attention.
P331 Do not induce vomiting.
P370+P378 In case of fire: Use agents recommended in section 5 for extinction.
P403+P233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents and container as instructed in Section 13.

Hazards not otherwise classified:

None known.

SECTION 3: Composition/information on ingredients

Mixture:

Identification	Name	Weight %
CAS number: 64742-95-6	Solvent naphtha (petroleum), light arom.	100
CAS number: 95-63-6	**1, 2, 4-Trimethylbenzene	<35
CAS number: 1330-20-7	**Xylene	<3
CAS number: 98-82-8	**Cumene	<2

Additional information:

** Xylene, Cumene and 1, 2, 4-Trimethylbenzene are components present in the light aromatic naphtha complex, and because they present unique health and environmental hazards, they are listed separately here for clarity.

SECTION 4: First-aid measures

For advice, contact a Poisons Information Center (e.g. phone Australia 131 126, New Zealand 0800 764 766) or a doctor.

Description of first aid measures

General notes:

Get medical attention if you feel unwell

After inhalation:

Take precautions to ensure your own safety
Remove source of exposure or move person to fresh air
Get medical advice if you feel unwell or concerned

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.
If symptoms develop or persist, seek medical attention.
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.
Remove contact lenses, if present and easy to do so.
Continue rinsing for 15-20 minutes.
Get medical advice if eye irritation persists.

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed:

Acute symptoms and effects:

Product is highly flammable and may cause physical injury.
May cause drowsiness or dizziness.
May cause respiratory irritation.

Delayed symptoms and effects:

Exposure may cause cancer. Effects are dependent on exposure (dose, concentration, contact time).

Immediate medical attention and special treatment:

Specific treatment:

Not determined or not available.

Notes for the doctor:

If ingested, may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

Workplace Facilities:

Not determined or not available.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media:

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Solvent

Unsuitable extinguishing media:
Do not use a water stream as an extinguisher.

Specific hazards during fire-fighting:
Thermal decomposition can lead to release of irritating gases and vapors.
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere.

Special protective equipment for firefighters:
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

Special precautions:
Shut off sources of ignition.
Carbon monoxide and carbon dioxide may form upon combustion.
Heating causes a rise in pressure, risk of bursting and combustion.

Hazchem or Emergency Action Code:
HAZCHEM Code: •3Y

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation.
Ensure air handling systems are operational.
Wear protective eye wear, gloves and clothing.
Beware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.

Environmental precautions:
Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up:
Wear protective eye wear, gloves and clothing.
Use spark-proof tools and equipment.
Absorb with non-combustible liquid-binding material (sand, diatomaceus earth (clay), acid binders, universal binders).
Dispose of contents / container in accordance with local regulations.

Reference to other sections:
Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

SECTION 7: Handling and storage precautions

Precautions for safe handling:
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:
Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

Solvent

Safe packaging material

Suitable material:

Not determined or not applicable.

Unsuitable material:

Not determined or not applicable.

SECTION 8: Exposure controls and personal protection

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
New Zealand	**Xylene	1330-20-7	TWA: 50 ppm (217 mg/m³)
	**Cumene	98-82-8	TWA: 125 mg/m³ (25 ppm); STEL: 375 mg/m³ (75 ppm)

Biological limit value:

No biological exposure limits noted for the ingredient(s)

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls

Biological monitoring may also be appropriate for some substances

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Appearance	Clear colorless liquid
Odor	Aromatic
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	-14°C (7°F)
Initial boiling point/range	161°C (322°F) - 171°C (340°F)
Flash point (closed cup)	46°C (115°F) [ASTM D-56]

Solvent

Evaporation rate	0.27 (n-butyl acetate=1)
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	6.2
Lower flammability/explosive limit	0.9
Vapor pressure	0.269 kPa (2.02 mmHg) at 20°C | 0.815 kPa (6.13 mmHg) at 38°C
Vapor density	4.2 at 101 kPa (Air=1)
Density	873 kg/m³ (7.29 lb/gal, 0.87 kg/dm³) at 15°C
Relative density	0.874 at 15.6°C
Solubilities	Negligible solubility in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	485°C (905°F)
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	0.75 cSt (0.75 mm²/s) at 40°C | 0.9 cSt (0.9 mm²/s) at 25°C
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information: No data available

SECTION 10: Stability and reactivity

Reactivity:
Does not react under normal conditions of use and storage.

Chemical stability:
Stable under normal conditions of use and storage.

Possibility of hazardous reactions:
None under normal conditions of use and storage.

Conditions to avoid:
Avoid heat, sparks, open flames and other sources of ignition.

Incompatible materials:
Strong oxidizing agents.
Nitric acid.
Sulfuric acid.

Hazardous decomposition products:
None known.

SECTION 11: Toxicological information

Acute toxicity:
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Route	Result
**Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h
**1, 2, 4-Trimethylbenzene	inhalation	LC50 - Rat - 18,000 mg/m³

Skin corrosion/irritation:
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.

Solvent

Substance data:

Name	Result
**Xylene	Irritating to the skin.
**1, 2, 4-Trimethylbenzene	Irritating to the skin.

Serious eye damage/irritation:
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.

Substance data:

Name	Result
**1, 2, 4-Trimethylbenzene	Irritating effect on the eyes.

Respiratory or skin sensitization:
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
**Cumene	No skin irritation
	No eye irritation

Carcinogenicity
Assessment: Suspected of causing cancer
Product data: No data available.
Substance data:

Name	Species	Result
Solvent naphtha (petroleum), light arom.	Solvent naphtha (petroleum), light arom.	Component may cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
**Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
**Cumene	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.

Substance data:

Name	Result
Solvent naphtha (petroleum), light arom.	May cause genetic defects.

Reproductive toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
Toluene	Suspected of damaging fertility or the unborn child.
Dimethylcyclopolysiloxane	Suspected human reproductive toxicant.

Specific target organ toxicity (single exposure)
Assessment: May cause respiratory irritation May cause drowsiness or dizziness
Product data: No data available.

Solvent

Substance data:

Name	Result
**Cumene	Component affects the respiratory system.
**1, 2, 4-Trimethylbenzene	Component affects the respiratory system.

Specific target organ toxicity (repeated exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Aspiration toxicity
Assessment: May be fatal if swallowed and enters airways
Product data: No data available.
Substance data: No data available.

Information on likely routes of exposure:
No data available.

Symptoms related to the physical, chemical and toxicological characteristics:
No data available.

Other information:
No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
**Cumene	EC50 - Daphnia magna - 1.4 mg/L - 24 h
	LC50 - Pimephales promelas - 6.32 mg/L - 96 h
**1, 2, 4-Trimethylbenzene	LC50 - Pimephales promelas - 7.72 mg/L - 96 h

Chronic (long-term) toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Persistence and degradability
Product data: No data available.
Substance data: No data available.

Bioaccumulative potential
Product data: No data available.
Substance data: No data available.

Mobility in soil
Product data: No data available.
Substance data: No data available.

Hazard to the ozone layer
Product data: No data available.
Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:
It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

Solvent

SECTION 14: Transportation information

Road/Rail transport: (NZS 5433:1999)

UN number	1263
UN proper shipping name	Petroleum Distillates, N.O.S. (Solvent naphtha (petroleum), light aromatic)
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-ICAO)

UN number	1263
UN proper shipping name	Petroleum Distillates, N.O.S. (Solvent naphtha (petroleum), light aromatic)
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
ERG code	3L
Excepted quantities	E1
Passenger and cargo	60L
Cargo aircraft only	220L
Limited quantity	10L
Additional Information	No additional data

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	Petroleum Distillates, N.O.S. (Solvent naphtha (petroleum), light aromatic)
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
EmS number	F-E, S-E
Stowage category	A
Excepted quantities	E1
Limited quantity	5L

Solvent

Transport in bulk according to Annex II of MARPOL and the IBC Code: No additional data	
Bulk Name	None
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

New Zealand Inventory of Chemicals (NZIoC):

95-63-6	**1, 2, 4-Trimethylbenzene	Listed
1330-20-7	**Xylene	Listed
64742-95-6	Solvent naphtha (petroleum), light arom.	Listed
98-82-8	**Cumene	Listed

HSNO Classification or Subclasses:

Class	GHS Category	HSNO Category
Flammable liquids	Category 3	3.1C
Aspiration hazard	Category 1	6.1E
Specific target organ toxicity - single exposure	Category 3, respiratory irritation	6.1E
Specific target organ toxicity - single exposure	Category 3, central nervous system	6.9B
Carcinogenicity	Category 2	6.7B

HSNO Group Standard Name :	HSNO Approval Number:
Solvents (Flammable, Toxic [6.7])	HSR002652

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial preparation date: 12.22.2016

Revision Date: New

End of Safety Data Sheet