

**Safety Data Sheet**  
**PWR4Gas**

Version 1.1

Revision Date: 04/09/2025

**SECTION 1. IDENTIFICATION**

**Product name** : PWR4Gas  
**Synonyms** : No data available

**Recommended use of the chemical and restrictions on use**

**Recommended use** : Reserved for industrial and professional use.

**Restricted Uses** : No data available

**Manufacturer or supplier's details**

**Company** : AwSUM Outcomes Inc  
**Address** : Bay 5 409- 38th Ave NE  
Calgary, AB T2E 6R9  
Canada

**Emergency telephone number:**

Local Emergency Contact : During Office hours Monday-Friday, 8.00 am - 4.00 pm  
(MDT) : 1-844-512-4093

**Additional Information:**

E-mail: [info@awsum.global](mailto:info@awsum.global)  
SDS Requests: 1-844-512-4093  
Website: [www.awsum.global](http://www.awsum.global)

**SECTION 2. HAZARD IDENTIFICATION****Hazardous Classification of the substance or mixture**

**Flammable liquids** : Category 3

**Skin irritation** : Category 2

**Serious eye damage** : Category 1

**Aspiration hazard** : Category 1

**Label elements**

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary statements** : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.

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P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting equip-  
 ment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ protective clothing/ eye protection/  
 face protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON  
 CENTER/ doctor.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately  
 all contaminated clothing. Rinse skin with water.  
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with  
 water for several minutes. Remove contact lenses, if present  
 and easy to do. Continue rinsing. Immediately call a POISON  
 CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P332 + P313 If skin irritation occurs: Get medical advice/ atten-  
 tion.  
 P362 + P364 Take off contaminated clothing and wash it before  
 reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alco-  
 hol-resistant foam to extinguish.

**Storage:**

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

**Disposal:**

P501 Dispose of contents/ container to an approved waste dis-  
 posal plant.

**Other hazards**

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 82.7849 %

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

CAS-No.	Chemical name	% by Weight	Synonyms
64742-94-5	Solvent naphtha (petroleum), heavy arom.	60 - 80	Solvent naphtha (petroleum), heavy arom.
64742-95-6	Solvent naphtha (petroleum), light arom.	10 - 30	Solvent naphtha (petroleum), light arom.
Not Assigned	Proprietary Monoalkylaryl alkoxyate aminated	10 - 30	Proprietary Monoalkylaryl alkoxyate aminated
95-63-6	**1,2,4-trimethylbenzene	5 - 10	1,2,4-trimethylbenzene

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91-20-3	**Naphthalene	5 - 10	naphthalene
526-73-8	**Benzene, 1,2,3-trimethyl-	5 - 10	1,2,3-trimethylbenzene
108-67-8	Benzene, 1,3,5-trimethyl-	1 - 5	mesitylene (Vapour and gas)
98-82-8	**Cumene	1 - 5	cumene

Actual concentration or concentration range is withheld as a trade secret

#### SECTION 4. FIRST-AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
Take victim immediately to hospital.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing : High volume water jet

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media	
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: A complex mixture of airborne solid and liquid particulates and gases (smoke). Unidentified organic and inorganic compounds. Hydrogen sulfide sulfur oxides Sulphuric acid Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8.

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Smoking, eating and drinking should be prohibited in the application area.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Open drum carefully as content may be under pressure.  
 To avoid spills during handling keep bottle on a metal tray.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage

: No smoking.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64742-94-5	Solvent naphtha (petroleum), heavy arom.	TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	CA AB OEL
64742-95-6	Solvent naphtha (petroleum), light arom.	TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	CA AB OEL
95-63-6	**1,2,4-trimethylbenzene	TWA	25 ppm 123 mg/m <sup>3</sup>	CA AB OEL
		TWAEV	25 ppm 123 mg/m <sup>3</sup>	CA QC OEL
		TWA	25 ppm	CA BC OEL
91-20-3	**Naphthalene	TWA	10 ppm 52 mg/m <sup>3</sup>	CA AB OEL
		STEL	15 ppm 79 mg/m <sup>3</sup>	CA AB OEL
		TWA	10 ppm	CA BC OEL
		STEL	15 ppm	CA BC OEL
		TWAEV	10 ppm 52 mg/m <sup>3</sup>	CA QC OEL
		STEV	15 ppm 79 mg/m <sup>3</sup>	CA QC OEL
526-73-8	**Benzene, 1,2,3-trimethyl-	TWA	25 ppm 123 mg/m <sup>3</sup>	CA AB OEL
		TWAEV	25 ppm 123 mg/m <sup>3</sup>	CA QC OEL
		TWA	25 ppm	CA BC OEL
108-67-8	Benzene, 1,3,5-trimethyl-	TWA	25 ppm 123 mg/m <sup>3</sup>	CA AB OEL
		TWAEV	25 ppm 123 mg/m <sup>3</sup>	CA QC OEL

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98-82-8	**Cumene	TWA	25 ppm	CA BC OEL
		TWA	50 ppm 246 mg/m3	CA AB OEL
		TWA	25 ppm	CA BC OEL
		STEL	75 ppm	CA BC OEL
		TWAEV	50 ppm 246 mg/m3	CA QC OEL

#### Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Filter type : Organic vapour type
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : No data available
- Odour : No data available
- Odour Threshold : No data available
- pH : No data available
- Freezing Point : No data available
- Boiling Point : No data available
- Flash point : 44 °C (111 °F)
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Relative density : 0.897 - 0.915 @ 20 °C (68 °F)  
Reference substance: (water = 1)
- Density : 0.906 g/cm3 @ 20 °C (68 °F)

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Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Acids Bases brass bronze Copper Copper alloys epoxides metal chlorides Oxidizing agents Peroxides

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Components:****64742-94-5:**

Acute oral toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5.28 mg/l Exposure time: 4 h Test atmosphere: gas Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	: LD50 (Rabbit, male and female): > 2,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation****Components:**

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**64742-95-6:**

Species: Rabbit  
Result: Irritating to skin.

Not Assigned:

Result: Irritating to skin.

**108-67-8:**

Species: Rabbit  
Exposure time: 4 h  
Result: Irritating to skin.

**Serious eye damage/eye irritation**

**Components:**

Not Assigned:  
Result: Risk of serious damage to eyes.

**108-67-8:**

Species: Rabbit  
Result: Irritating to eyes.  
Exposure time: 24 h  
Remarks: Information given is based on data obtained from similar substances.

**ACGIH**

Confirmed animal carcinogen with unknown relevance to humans

64742-94-5	Solvent naphtha (petroleum), heavy arom.
64742-95-6	Solvent naphtha (petroleum), light arom.
91-20-3	**Naphthalene

**STOT - single exposure**

**Components:**

**64742-95-6:**

Target Organs: Central nervous system  
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

**108-67-8:**

Target Organs: Respiratory system  
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

**Aspiration toxicity**

**Components:**

**64742-94-5:**

May be fatal if swallowed and enters airways.

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**64742-95-6:**

May be fatal if swallowed and enters airways.

**108-67-8:**

May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks: Solvents may degrease the skin.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Components:**

**64742-94-5:**

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae : NOEL (Raphidocelis subcapitata (freshwater green alga)): 1 mg/l  
Exposure time: 48 h  
Test Type: static test

EL50 (Raphidocelis subcapitata (freshwater green alga)): 1 - 3 mg/l  
Exposure time: 72 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL (Daphnia magna (Water flea)): 0.48 mg/l  
Exposure time: 21 d

Acute aquatic toxicity- Assessment : Toxic to aquatic life.

Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.

**64742-95-6:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.5 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 3.71 mg/l  
Exposure time: 96 h

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- Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.  
**108-67-8:**  
 Toxicity to fish : LC50 (Carassius auratus (goldfish)): 12.52 mg/l  
 Exposure time: 96 h  
 Test Type: flow-through test
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6 mg/l  
 Exposure time: 48 h  
 Test Type: static test
- Toxicity to algae : EbC50 (Desmodesmus subspicatus (green algae)): 25 mg/l  
 End point: Biomass  
 Exposure time: 48 h  
 Test Type: static test
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.4 mg/l  
 Exposure time: 21 d
- Acute aquatic toxicity- Assessment : Toxic to aquatic life.  
 Chronic aquatic toxicity- Assessment : Toxic to aquatic life with long lasting effects.

#### Persistence and degradability

No data available

#### Bioaccumulative potential

##### Components:

- 95-63-6:**  
 Partition coefficient: n-octanol/water : Remarks: No data available
- 91-20-3:**  
 Partition coefficient: n-octanol/water : log Pow: 3.4 (25 °C)  
 pH: 7 - 7.5

- 526-73-8:**  
 Partition coefficient: n-octanol/water : Remarks: No data available

- 98-82-8:**  
 Partition coefficient: n-octanol/water : log Pow: 3.55 (23 °C)

#### Mobility in soil

No data available

#### Other adverse effects

##### Product:

- Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
 Toxic to aquatic life with long lasting effects.

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#### SECTION 13. DISPOSAL CONSIDERATIONS

##### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

#### SECTION 14. TRANSPORT INFORMATION

##### TDG (Transportation of Dangerous Goods):

UN1993, FLAMMABLE LIQUID, N.O.S., (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.), 3, III

##### IATA (International Air Transport Association):

UN1993, FLAMMABLE LIQUID, N.O.S., (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.) , 3, III

##### IMDG (International Maritime Dangerous Goods):

UN1993, FLAMMABLE LIQUID, N.O.S., (SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.), 3, III, Flash Point:44 °C(111 °F)

#### SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

**NPRI Components** : 91-20-3  
95-63-6  
98-82-8  
71-43-2  
75-56-9  
75-07-0

##### The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : not determined

NZIoC : not determined

ENCS : not determined

KECI : not determined

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PICCS : not determined

IECSC : not determined

#### Canadian lists

**A Notice or Order has been published indicating that the Significant New Activity (SNAc) provisions of CEPA apply to following substance(s):**

75-56-9 Oxirane, 2-methyl-

## SECTION 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit

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IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		