



SAFETY DATA SHEET

According to Canadian Hazardous Products Regulations (HPR) (SOR/2015/17)

SDS # : 087542

POWERSPORTS 2T SYN

Date of the previous version: not applicable

Revision Date: 2018-02-23

Version 1

1. IDENTIFICATION

Product identifier

Product name POWERSPORTS 2T SYN

Other means of identification

Product Code(s) 087542

Number G2G
Substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Identified uses Engine oil

Uses advised against Do not use for any purpose other than the one for which it is intended.

Details of the supplier of the safety data sheet

Supplier TOTAL CANADA INC.
220, LAFLEUR
LASALLE, QUEBEC
H8R 4C9
Tel: (514) 595-7579
Fax: (514) 595-5950

Contact Point service HSE

E-mail Address info@total-lub.ca

Emergency telephone number

Emergency telephone

Company Phone Number

1-800-463-3955

+1 866 928 0789 (24h/24, 7d/7)

+1 215 207 0061 (24h/24, 7d/7)

2. HAZARDS IDENTIFICATION

Classification

Flammable Liquids Category 4

Skin corrosion/irritation - Category 2

Specific target organ toxicity (single exposure) - Category 3

Label elements

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WARNING

Hazard Statements

Combustible liquid
Causes skin irritation
May cause drowsiness or dizziness

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Precautionary Statements - Response

Skin

IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash it before reuse
If skin irritation occurs: Get medical advice/attention

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell

Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up
Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Other hazards

Toxic to aquatic life with long lasting effects

Physical-Chemical Properties

Contaminated surfaces will be extremely slippery.

Environmental properties

The product may form an oil film on the water surface that may stop the oxygen exchange.
Should not be released into the environment.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical nature The product is made from synthetic base oils.

Chemical Name	EC-No	CAS-No	Weight %
Solvent naphta (petroleum), medium aliph.	265-191-7	64742-88-7	25<40
Dec-1-ene, trimers, hydrogenated	-	157707-86-3	20<30
Isooctadecanoic acid, reaction products with tetraethylenepentamine	272-225-4	68784-17-8	5<10

Additional information Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.
Inhalation	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration.
Ingestion	Clean mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Protection of First-aiders	First aider needs to protect himself. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed

Skin contact	Causes mild skin irritation. May produce an allergic reaction.
Eye contact	Not classified based on available data.
Inhalation	Not classified based on available data. Inhalation of vapors in high concentration may

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cause irritation of respiratory system.

Ingestion

Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms

No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). ABC powder. Foam. Water spray or fog.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Special Hazard

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to Mechanical Impact Sensitivity to Static Discharge

None.
None.

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Information

Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

Other information

See Section 12 for additional information.

Environmental precautions

General Information

Do not allow material to contaminate ground water system. Prevent entry into waterways, sewers, basements or confined areas. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Methods for containment

Dike to collect large liquid spills. If necessary dike the product with dry earth, sand or

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similar non-combustible materials.

Methods for cleaning up

Dispose of contents/container in accordance with local regulation. In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Prevention of fire and explosion

Take precautionary measures against static discharges.

Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Regular cleaning of equipment, work area and clothing is recommended. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

Conditions for safe storage, including any incompatibilities**Technical measures/Storage conditions**

Keep away from food, drink and animal feedingstuffs. Keep in a banded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Store at room temperature. Protect from moisture.

Materials to Avoid

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure limits**

Mineral oil mist:
USA: OSHA (PEL) TWA 5 mg/m³, NIOSH (REL) TWA 5 mg/m³, STEL 10 mg/m³, ACGIH (TLV) TWA 5 mg/m³ (highly refined).

Legend

See section 16

Exposure controls

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Engineering Measures

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

General Information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered. The personal protective equipment (PPE) recommendations apply to the product ITSELF. In case of mixtures or formulations, it is suggested that you contact the relevant PPE suppliers.

Eye/face protection

If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots.

Hand Protection

Hydrocarbon-proof gloves: Fluorinated rubber. Nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Respiratory protection

None under normal use conditions. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapor/particulate. Warning ! filters have a limited use duration. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Appearance

limpid

Color

No information available

Physical State @20°C

liquid

Odor

Characteristic

Odor Threshold

No information available

Property

Values

Remarks

Method

pH

Not applicable

Melting point/range

No information available

Boiling point/boiling range

No information available

Flash point

72 °C
162 °F

No information available

ASTM D93
ASTM D93.

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Evaporation rate	No information available
Flammability Limits in Air	
upper	No information available
Lower	No information available
Vapor Pressure	No information available
Vapor density	No information available
Relative density	@ 15 °C
Density	@ 15 °C
Water solubility	Insoluble
Solubility in other solvents	No information available
logPow	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	29.8 mm ² /s
Explosive properties	Not explosive
Oxidizing Properties	Not applicable
Possibility of hazardous reactions	None under normal processing
Other information	
Freezing Point	No information available

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	None under normal processing.
<u>Chemical stability</u>	Stable under recommended storage conditions.
<u>Possibility of hazardous reactions</u>	No dangerous reaction known under conditions of normal use.
<u>Conditions to avoid</u>	Keep away from open flames, hot surfaces and sources of ignition. Keep away from heat and sparks.
<u>Incompatible materials</u>	Strong oxidizing agents.
<u>Hazardous Decomposition Products</u>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. Nitrogen oxides (NO _x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Symptoms	No information available.
Skin contact	Causes mild skin irritation. May produce an allergic reaction.
Eye contact	Not classified based on available data.

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Inhalation

Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion

Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity - Product Information

Oral

Not classified based on available data
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

Dermal

Not classified based on available data
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

Inhalation

ATEmix (inhalation-dust/mist)

Not classified based on available data

15.39 mg/l

25 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent naphta (petroleum), medium aliph. 64742-88-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Dec-1-ene, trimers, hydrogenated 157707-86-3	LD50 > 5000 mg/kg (rat - OECD 401)	LD50 > 3000 mg/kg (rat - OECD 402)	LC50 (4h) 1.17 mg/l (rat - vapour - OECD 403) LC50 (4h) 0.9 mg/l (rat - vapour - OECD 403) LC50 (4h) 1.4 mg/l (rat - vapour - OECD 403)
Isooctadecanoic acid, reaction products with tetraethylenepentamine 68784-17-8	LD50 5000 mg/kg (rat)	LD50 2000 mg/kg (rabbit)	

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Not classified based on available data.

Respiratory or skin sensitization

Not classified based on available data. Contains sensitizer(s). May produce an allergic reaction. The supplier of one or more of the components contained within this formulation has indicated that he has data on the components and/or similar mixtures, which confirms that at the concentration used, classification is not required.

Germ cell mutagenicity

Not classified based on available data.

Carcinogenicity

Not classified based on available data. During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

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Reproductive toxicity
Target Organ Effects (STOT)
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

Not classified based on available data.
 None known.
 May cause drowsiness or dizziness.
 Not classified based on available data.
 Not classified based on available data.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity - Product Information

No information available

Acute aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Solvent naphta (petroleum), medium aliph. 64742-88-7	EL50 (96h) = 1-3 mg/l Pseudokirchneriella subcapitata	LL50 (96h) 2-5 mg/l Oncorhynchus mykiss	EL50 (48h) 1.4 mg/L Daphnia magna	
Dec-1-ene, trimers, hydrogenated 157707-86-3	EL50 (72h) > 1000 mg/l (Scenedesmus capricornutum - OECD 201) NOELR (72h) 1000 mg/l (Scenedesmus capricornutum - OECD 201)	LL50 (96h) > 1000 mg/l (Oncorhynchus mykiss)	EL50 (48h) > 150 mg/l (Daphnia magna) LL50 (96h) > 5002 ppm (Americamysis bahia - OECD 202)	
Isooctadecanoic acid, reaction products with tetraethylenepentamine 68784-17-8		LC50(96h) 1000 mg/l	LC50(48h) 1000 mg/l	

Chronic aquatic toxicity - Product Information

No information available

Chronic aquatic toxicity - Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Dec-1-ene, trimers, hydrogenated 157707-86-3	NOELR (72h) 1000 mg/l (Scenedesmus capricornutum - OECD 201)	NOELR (21d) 125 mg/l (Daphnia magna - OECD 211) NOELR (96h) 5002 ppm (Americamysis bahia -	NOELR (96h) 1000 mg/l (Oncorhynchus mykiss)	

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		OECD 202)		
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Effects on terrestrial organisms No information available.

Persistence and degradability

No information available

Bioaccumulative potential

Product Information No information available.

logPow No information available

Component Information No information available.

Mobility

Soil Given its physical and chemical characteristics, the product generally shows low soil mobility

Air Loss by evaporation is limited

Water The product is insoluble and floats on water

Other adverse effects

General Information No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from residues/unused products Should not be released into the environment. Do not empty into drains. Dispose of in accordance with all applicable national environmental laws and regulations. Where possible recycling is preferred to disposal or incineration. Other Regulatory Status: No Canadian federal standard; however, for general discharge guidance, federal installations limited to 15 mg/L for total oil and grease. Provincial criteria are likely and should be requested when notifying provincial authorities.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

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TDG

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	III
Special Provisions	91, 92
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

DOT

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	III
Special Provisions	144, B1, IB3, T4, TP1, TP29
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III
Emergency Response Guide Number	128

MEX

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Special Provisions	223
Packing Group	III
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

ICAO/IATA

UN/ID No	UN1268
Proper shipping name	Petroleum distillates, n.o.s.
Hazard class	3
Packing Group	III
ERG Code	3L
Special Provisions	A3
Description	UN1268, Petroleum distillates, n.o.s., 3, III
Excepted Quantity	E1
Limited quantity	10 L

IMDG/IMO

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	III
EmS No.	F-E, S-E
Special Provisions	223, 955
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III
Excepted Quantity	E1
Limited quantity	5 L

ADR/RID

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.

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Hazard class	3
ADR Hazard Id (Kemmler Number)	30
Packing Group	III
Classification Code	F1
Tunnel Restriction Code	(D/E)
Special Provisions	664
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, (D/E)
ADR/RID-Labels	3
Limited quantity	5 L

ADN

UN/ID No	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard class	3
Packing Group	III
Classification Code	F1
Special Provisions	363
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III
Hazard Labels	3
Limited quantity	5 L
Ventilation	VE01
Equipment Requirements	PP, EX, A

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) (SOR/2015/17) and the Safety Data Sheet (SDS) contains all the information required by the HPR

International Inventories	All the substances contained in this product are listed or exempted from listing in the following inventories: Canada (DSL/NDSL) U.S.A. (TSCA)
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16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health Hazard 1	Flammability 1	Instability 0	Special hazards -
HMIS	Health Hazard 1	Flammability 1	Physical Hazard 0	Personal protection X

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Revision Note	Initial Release

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
bw = body weight

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bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

NTP = National Toxicology Program

Section 8

TWA - Time Weight Average

STEL - Short Term Exposure Limits

+	Sensitizer	*	Skin designation
C:	Carcinogen	R:	Toxic to reproduction
Ceiling:	Ceiling Limit Value		

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the Safety Data Sheet