Citra Power Pro

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 07/28/2020 Revision date: 03/27/2025 Supersedes: 11/29/2024 Version: 1.2

SECTION 1 : Identification

1.1. Product identifier

Product form : Mixture

Product name : Citra Power Pro

CAS-No. : 5989 27 5

Product code : 79

Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended Use: Cleaner/Degreaser

Restrictions on Use: none known

1.3. Supplier

Nypower Industries Ltd.
111 Fisher St.
P.O. Box PO Box 715
Okotoks, AB - Canada
T 403 995-2598 - F 403 995-1487
gm@nypowerind.com - www.nypowerind.com

1.4. Emergency telephone number

Emergency number : 403 899-4226

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids Category 3	H226 - Flammable liquid and vapor
Skin corrosion/irritation Category 2	H315 - Causes skin irritation
Skin sensitization, Category 1	H317 - May cause an allergic skin reaction
Serious eye damage/eye irritation Category 1	H318 - Causes serious eye damage
Reproductive toxicity Category 2	H361 Suspected of damaging fertility or the unborn child

Full text of H statements : see section 16.

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H226- Flammable liquid and vapor
H315- Causes skin irritation
H317 - May cause an allergic skin reaction
H318 – Causes serious eye damage
H361 – Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical / ventilation / lighting / equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing vapours, mist.
P264 - Wash hands, forearms thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves (rubber or nitrile) /protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water or shower.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P318 - If exposed or concern: Get medical advice/attention.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/container to Collection point.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3 : Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	% by volume	Classification (GHS CA)
D'Limonene	(+)-1-methyl-4-isopropenyl-1-cyclohexene / (+)-4-isopropenyl-1-methylcyclohexene / (+)-cajeputene / (+)-carvene / (+)-citrene / (+)-para-mentha-1,8-diene / (+)-p-mentha-1,8-diene / (+)-R-limonene / (R)-(+)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-(+)-limonene / (R)-1-methyl-4-(1-methylethenyl)cyclohexene / (R)-4-isopropenyl-1-methyl-1-cyclohexene / (R)-p-mentha-1,8-diene / 1,8-menthadiene, D- / 1-methyl-4-(1-methylethenyl)cyclohexene, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / cyclohexene, 1-methyl-4-(1-methylethenyl)-, (theta)- / cyclohexene, 4-isopropenyl-1-methyl- / D-(+)-limonene / dextro-limonene / dextro-para-mentha-1,8-diene / D-para-mentha-1,8-diene / D-p-mentha-1,8-diene / limonene, (R)-(+)- / limonene, D-(+)- / limonene, dextro- / para-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, (R)-(+)- / p-mentha-1,8-diene, D- / R-(+)-limonen / refchole	(CAS-No.) 5989-27-5	60-100	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Gamma-Terpinene		(CAS-No.) 99-85-4	1-10	Flam. Liq. 3, H226 Reproductive Toxicity 2 H361
Beta-Pinene		(CAS-No.) 127-91-3	1-10	Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319
Beta-Myrcene		(CAS-No.) 123-35-3	1-10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
Alpha-Pinene		(CAS-No.) 80-56-8	1-10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317
Terpinolene		(CAS-No.) 586-62-9	1-10	Asp. Tox. 1, H304 Skin Sens. 1, H317
Alpha-Terpinene		(CAS-No.) 99-86-5	1-10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Asp. Tox. 1, H304 Skin Sens. 1, H317 Eye Irrit. 2, H319
Alcohol ethoxylate		Not available	1-10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 1, H318

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Fire hazard : Flammable liquid and vapor.

Explosion hazard : Explosion risk in case of fire.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Evacuate area. Do not fight fire when fire reaches explosives.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 : Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for personal protective equipment necessary

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection."

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves (Rubber or Nitrile) DO NOT USE VINYL.

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Liquid.
Color	:	clear
Odour	:	Citrus Odour
Odor threshold	:	No data available
pH	:	6.8 – 7.5
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	-96 °C
Freezing point	:	No data available
Boiling point	:	175 °C
Flash point	:	48 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (Upper Limits)	:	6.1
Flammability (Lower Limits)		0.07
Vapor pressure	:	No data available
Vapor pressure at 25 °C	:	1.98 mm Hg
Relative density	:	0.86
Viscosity: Kenematic & Dynamic		No data available
Solubility	:	Miscible with water and solvents
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Explosion limits	:	No data available
Vapour Density		4.7

9.2. Other information

No additional information available

SECTION 10 : Stability and reactivity

Reactivity	:	Flammable liquid and vapor.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11 : Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

D'Limonene (5989-27-5)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal)

Skin corrosion/irritation : Causes skin irritation.
pH: 6.8 – 7.5
Serious eye damage/irritation : Causes serious eye damage.
pH: 6.8 – 7.5
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Category 2
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Category 1
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

SECTION 12 : Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

D'Limonene (5989-27-5)	
LC50 fish 1	720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	0.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
BCF fish 1	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)

12.2. Persistence and degradability

D'Limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O_2/g substance

12.3. Bioaccumulative potential

D'Limonene (5989-27-5)	
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).
BCF fish 1	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)

12.4. Mobility in soil

D'Limonene (5989-27-5)	
Ecology - soil	Low potential for mobility in soil.

D'Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13 : Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

UN-No. (TDG) : UN2319

Packing group : III - Minor Danger

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Transport document description : UN2319 TERPENE HYDROCARBONS, N.O.S. (terpene hydrocarbons), 3, III

Proper Shipping Name (Transportation of Dangerous Goods) : TERPENE HYDROCARBONS, N.O.S.
terpene hydrocarbons

Hazard labels (TDG) : 3 - Flammable liquids

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E1

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

Marine pollutant : Yes (IMDG only)

14.2. Transport information/DOT

Department of Transport

UN-No. (IMDG) : 2319

Proper Shipping Name (IMDG) : TERPENE HYDROCARBONS, N.O.S.

Transport document description (IMDG) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (terpene hydrocarbons), 3, III (32°C c.c.)

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

14.3. Air and sea transport

IMDG

UN-No. (IMDG) : 2319

Proper Shipping Name (IMDG) : TERPENE HYDROCARBONS, N.O.S.

Transport document description (IMDG) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (terpene hydrocarbons), 3, III (32°C c.c.)

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

IATA

UN-No. (IATA) : 2319

Proper Shipping Name (IATA) : Terpene hydrocarbons, n.o.s.

Transport document description (IATA) : UN 2319 Terpene hydrocarbons, n.o.s. (terpene hydrocarbons), 3, III

Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Minor Danger

SECTION 15 : Regulatory information

15.1. National regulations

D'Limonene (5989-27-5)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

D'Limonene (5989-27-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16 : Other information

SDS Major/Minor : Minor– Formula Revision. Version changed to 1.2. Section 2.1 - H361 added. Section 2.2 – Health Hazard pictogram added. H361 added. Precautionary statements –P318 added. Section 3 – Additional chemicals. Section 11 Reproductive Toxicity updated to Category 2. Section 14 - DOT updated. Section 16 Full Text of H-phrases updated to match Section 2.2 and 3.1.

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Full text of H-phrases:

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage.
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SDS Canada (GHS)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.