Brite® Zinc®, 3.78 L

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 2025-04-01 Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Trade name : Brite® Zinc®, 3.78 L
Product code : 1008407

1.2. Recommended use and restrictions on use

Recommended use : Coating (for use in shop applications or on non-stationary structures)
Restrictions on use : None known

1.3. Supplier

Manufactured or sold by:
CRC Canada Co.
83 Galaxy Blvd.
Unit 35 - 37
Toronto, ON M9W 5X6
Canada
T 416-847-7750
crcindustries.ca

1.4. Emergency telephone number

Emergency number : 800-424-9300 (CHEMTREC)
24-Hour Emergency

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 2	Highly flammable liquid and vapor.
Physical hazards not otherwise classified, Category 1	
Acute toxicity (dermal), Category 4	Harmful in contact with skin.
Acute toxicity (inhalation), Category 4	Harmful if inhaled.
Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2A	Causes serious eye irritation.
Carcinogenicity, Category 2	Suspected of causing cancer.
Reproductive toxicity, Category 1B	May damage fertility or the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	May cause drowsiness or dizziness.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.
Specific target organ toxicity, Repeated exposure, Category 2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment, Acute Hazard, Category 1	Very toxic to aquatic life.
Hazardous to the aquatic environment, Chronic Hazard, Category 1	Very toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :

Signal word (GHS CA)	:	Danger
Hazard statements (GHS CA)	:	Highly flammable liquid and vapor May be fatal if swallowed and enters airways Harmful in contact with skin or if inhaled Causes skin irritation Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness Suspected of causing cancer. May damage fertility or the unborn child May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (GHS CA)	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof ventilating, lighting, electrical equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or a doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or a doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Get medical advice or attention. In case of fire: Use appropriate media to extinguish. Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national regulations.

2.3. Other hazards

Other hazards which do not result in classification	:	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

2.4. Unknown acute toxicity (GHS CA)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Zinc	Zinc	CAS-No.: 7440-66-6	30 – 60

Name	Chemical name / Synonyms	Product identifier	%
Benzene, dimethyl-	Xylene	CAS-No.: 1330-20-7	15 – 40
ethylbenzene	ethylbenzene	CAS-No.: 100-41-4	5 – 10
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydrotreated light	CAS-No.: 64742-47-8	3 – 7
Aluminum	Aluminium	CAS-No.: 7429-90-5	1 – 5
Naphtha (petroleum), hydrotreated light	Naphtha (petroleum), hydrotreated light	CAS-No.: 64742-49-0	1 – 5
Zinc oxide (ZnO)	zinc oxide	CAS-No.: 1314-13-2	0.5 – 1.5

Comments : The exact percentage (concentration) of composition has been withheld as a trade secret.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

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. Give oxygen or artificial respiration if necessary. Call a poison center/doctor/physician if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

First-aid measures general : Call a physician immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/effects after skin contact : Harmful in contact with skin. Burns.

Symptoms/effects after eye contact : Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Symptoms/effects after ingestion : Aspiration may cause pulmonary edema and pneumonitis.

Chronic symptoms : May damage fertility or the unborn child.

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 : Dry chemical, CO2, dry sand, or alcohol-resistant foam.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : Do not use water.

5.3. Specific hazards arising from the hazardous product

Fire hazard : Highly flammable liquid and vapor.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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

General measures : Stop leak if safe to do so. Remove ignition sources. Absorb spillage to prevent material-damage. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Stop leak, if possible without risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Collect spillage.
Methods for cleaning up : Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Notify authorities if product enters sewers or public waters.
Additional Regulatory 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 : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Flammable vapors may accumulate in the container. Take precautionary measures against static discharge. Use only non-sparking tools. Use explosion-proof equipment. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Do not breathe vapors. Use only outdoors or in a well-ventilated area. Maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. For product usage instructions, see the product label.
Hygiene measures : Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a cool, dry place out of direct sunlight.

Storage area : Store away from heat.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Zinc oxide (ZnO) (1314-13-2)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ Respirable
OEL STEL	10 mg/m³ Respirable
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Zinc, oxide
VECD (OEL STEV)	10 mg/m³ Rd
VEMP (OEL TWAEV)	2 mg/m³ Rd
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)

Zinc oxide (ZnO) (1314-13-2)	
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m³ (respirable fraction)
OEL STEL	10 mg/m³ (respirable fraction)
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m³ (respirable fraction)
OEL STEL	10 mg/m³ (respirable fraction)
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWAEV	2 mg/m³ (R - Respirable fraction)
	10 mg/m³ (R - Respirable fraction)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Zinc oxide
OEL TWA	2 mg/m³ (R - Respirable particulate matter)
OEL STEL	10 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Metal fume fever
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Zinc oxide, fume and dust
OEL TWA	2 mg/m³ (respirable fraction)
OEL STEL	10 mg/m³ (respirable fraction)
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Aluminum (7429-90-5)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Aluminum Metal Dust
OEL TWA	10 mg/m³

Aluminum (7429-90-5)	
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Aluminum and its compounds
VEMP (OEL TWAEV)	5 mg/m³ Rd
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWA	1 mg/m³ Respirable
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWA	1 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Aluminum metal
OEL TWA	1 mg/m³
Notations and remarks	Pneumoconiosis; LRT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWA	1 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWA	1 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Aluminum and compounds (as Al): Pyro powders

Aluminum (7429-90-5)	
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Aluminum and compounds (as Al): Pyro powders
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWAEV	1 mg/m³ (R - Respirable fraction)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Aluminum metal and insoluble compounds
OEL TWA	1 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Aluminum and compounds (as Al): Pyro powders
OEL TWA	5 mg/m³
OEL STEL	10 mg/m³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
OEL TWA	100 ppm
Notations and remarks	TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
OEL TWA	100 ppm

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Notations and remarks	TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
OEL TWA	100 ppm
Notations and remarks	TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Hexane (Commercial, <54% n-hexane)
OEL TWA	100 ppm
Notations and remarks	TLV® Basis: Periph neuropathy. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2024

ethylbenzene (100-41-4)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	434 mg/m³
	100 ppm
OEL STEL	543 mg/m³
	125 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Ethyl benzene
VEMP (OEL TWAEV)	20 ppm
Notations and remarks	C3
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ethylbenzene
OEL TWA	20 ppm
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

ethylbenzene (100-41-4)	
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	100 ppm
OEL STEL	125 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Designated substance
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWAEV	20 ppm

ethylbenzene (100-41-4)	
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ethyl benzene
OEL TWA	100 ppm
OEL STEL	125 ppm
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Benzene, dimethyl- (1330-20-7)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Xylene (o-,m-,p-isomers) (Dimethylbenzene)
OEL TWA	434 mg/m³
	100 ppm
OEL STEL	651 mg/m³
	150 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Xylene (o-, m-, p- isomers) (Dimethylbenzene)
VECD (OEL STEV)	651 mg/m³
	150 ppm
VEMP (OEL TWAEV)	434 mg/m³
	100 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Xylene
OEL TWA	100 ppm
OEL STEL	150 ppm

Benzene, dimethyl- (1330-20-7)	
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Xylene
OEL TWA	100 ppm
OEL STEL	150 ppm
Notations and remarks	URT & eye irr; CNS impair
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Xylene (o, m-, p-isomers)
OEL TWA	100 ppm
OEL STEL	150 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Xylene (o, m-, p-isomers)
OEL TWA	100 ppm

Benzene, dimethyl- (1330-20-7)	
OEL STEL	150 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Xylene (o, m & p isomers)
OEL TWAEV	100 ppm
	150 ppm
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
OEL TWA	20 ppm
Notations and remarks	TLV® Basis: URT & eye irr; hematologic eff; ototoxycity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Xylene (o-, m-, p-isomers)
OEL TWA	100 ppm
OEL STEL	150 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

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

Personal protective equipment:

Wear fire/flame resistant/retardant clothing.

Hand protection:
Wear protective gloves such as: Nitrile. Polyvinylalcohol (PVA)

Eye protection:
Wear safety glasses with side shields (or goggles).

Respiratory protection:
If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

Additional Regulatory Information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Gray
Odor	:	Solvent
Melting point	:	-94.9 °C (-138,8 °F) estimated
Freezing point	:	-94.9 °C (-138,8 °F) estimated
Boiling point	:	98.9 °C (210 °F)
Flammability (solid, gas)	:	Not applicable
Explosion limits	:	Lower explosion limit: 0.7 % Upper explosion limit: 22.7 %
Flash point	:	7.2 °C (45 °F) Tag Closed Cup
Auto-ignition temperature	:	210 °C (410 °F) estimated
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity, kinematic	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Vapor pressure	:	4.2 hPa estimated
Evaporation rate	:	Slow
Density	:	No data available
Relative density	:	1.43
Relative vapor density at 20°C	:	> 1 (air=1)
Particle characteristics	:	No data available

9.2. Additional Regulatory Information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	:	Highly flammable liquid and vapor.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	In contact with water releases flammable gases which may ignite spontaneously.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	:	Acids. Bases. Oxidizing agent. Water.
Hazardous decomposition products	:	Carbon oxides (CO, CO2). Contact with water may cause an explosion or may produce a flammable gas.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Harmful in contact with skin.
Acute toxicity (inhalation)	:	Harmful if inhaled.

Zinc oxide (ZnO) (1314-13-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg Source: ECHA

Zinc oxide (ZnO) (1314-13-2)	
LC50 Inhalation - Rat	> 5700 mg/m³ Source: ECHA
LC50 Inhalation - Rat (Vapors)	> 5700 mg/m³

Aluminum (7429-90-5)	
LD50 oral rat	> 15900 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 0.888 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat (Dust/Mist)	> 0.888 mg/l Source: ECHA

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LD50 oral rat	> 5000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 3160 mg/kg Source: IUCLID
LC50 Inhalation - Rat	> 23.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
LC50 Inhalation - Rat [ppm]	73680 ppm Source: IUCLID
LC50 Inhalation - Rat (Dust/Mist)	> 23300 mg/l

Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral rat	> 15000 mg/kg Source: IUCLID
LD50 dermal rabbit	> 2000 mg/kg Source: IUCLID
LC50 Inhalation - Rat	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -
LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: IUCLID

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg Source: ECHA, HSDB
LD50 dermal rabbit	> 20000 mg/kg Source: ECHA
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP
LC50 Inhalation - Rat (Dust/Mist)	17200 mg/l
LC50 Inhalation - Rat (Vapors)	18.96 mg/l/4h

Benzene, dimethyl- (1330-20-7)	
LD50 oral rat	3523 mg/kg
LD50 dermal rabbit	> 4200 mg/kg
LC50 Inhalation - Rat [ppm]	5922 ppm
LC50 Inhalation - Rat (Dust/Mist)	> 10000 mg/l
LC50 Inhalation - Rat (Vapors)	29 mg/l/4h

Zinc (7440-66-6)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5410 mg/m³ Source: ECHA

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Benzene, dimethyl- (1330-20-7)	
IARC group	3 - Not classifiable

Reproductive toxicity : May damage fertility or the unborn child.

Aluminum	
NOAEL (animal/male, F0/P)	1000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Distillates (petroleum), hydrotreated light	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Zinc oxide (ZnO) (1314-13-2)	
LOAEL (dermal,rat/rabbit,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (oral,rat,90 days)	13.26 mg/kg bw/day
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aluminum (7429-90-5)	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (subchronic,oral,animal/male,90 days)	1034 mg/kg body weight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	1087 mg/kg body weight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LOAEC (inhalation,rat,vapor,90 days)	16.6 mg/l air Animal: rat, Animal sex: male
NOAEC (inhalation,rat,vapor,90 days)	3.3 mg/l air Animal: rat, Animal sex: male

Distillates (petroleum), hydrotreated light (64742-47-8)	
NOAEL (oral,rat,90 days)	750 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal,rat/rabbit,90 days)	≥ 495 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

ethylbenzene (100-41-4)	
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

ethylbenzene (100-41-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Benzene, dimethyl- (1330-20-7)	
LOAEL (oral,rat,90 days)	150 mg/kg bw/day
NOAEC (inhalation,rat,gas,90 days)	> 810 ppm

Zinc (7440-66-6)	
NOAEL (oral,rat,90 days)	31.25 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Viscosity, kinematic	0.67 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

ethylbenzene (100-41-4)	
Viscosity, kinematic	0.641 mm²/s

Benzene, dimethyl- (1330-20-7)	
Viscosity, kinematic	0.86 mm²/s

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination.

Symptoms/effects after skin contact : Harmful in contact with skin. Burns.

Symptoms/effects after eye contact : Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Symptoms/effects after ingestion : Aspiration may cause pulmonary edema and pneumonitis.

Chronic symptoms : May damage fertility or the unborn child.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

Zinc oxide (ZnO) (1314-13-2)	
LC50 - Fish [1]	169 µg/l
EC50 - Crustacea [1]	416 µg/l
NOEC chronic fish	39 µg/l

Aluminum (7429-90-5)	
EC50 - Other aquatic organisms [1]	> 100 mg/l waterflea
EC50 72h - Algae [1]	1.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.2 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LC50 - Fish [1]	> 3 mg/l

Naphtha (petroleum), hydrotreated light (64742-49-0)	
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID
EC50 - Other aquatic organisms [1]	4.6 mg/l waterflea
EC50 - Other aquatic organisms [2]	10 mg/l
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX

ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l Source: ECHA
EC50 - Other aquatic organisms [1]	2.2 mg/l waterflea
EC50 72h - Algae [1]	5.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	4.9 mg/l Test organisms (species): Skeletonema costatum
EC50 96h - Algae [1]	2.6 mg/l Source: ECHA
EC50 96h - Algae [2]	7.7 mg/l Test organisms (species): Skeletonema costatum
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

Benzene, dimethyl- (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l Source: ECHA
EC50 - Crustacea [1]	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 - Other aquatic organisms [1]	350 mg/l waterflea
EC50 - Other aquatic organisms [2]	3.9 mg/l
NOEC chronic fish	> 1.3 mg/l
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Brite® Zinc®, 3.78 L	
Persistence and degradability	No data is available on the degradability of this product.

12.3. Bioaccumulative potential

Zinc oxide (ZnO) (1314-13-2)	
BCF - Fish [1]	2.92 – 69.48 l/kg

Naphtha (petroleum), hydrotreated light (64742-49-0)	
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6 Source: IUCLID

Distillates (petroleum), hydrotreated light (64742-47-8)	
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID

ethylbenzene (100-41-4)	
BCF - Fish [1]	1 l/kg
Partition coefficient n-octanol/water (Log Pow)	3.15 Source: HSDB
Benzene, dimethyl- (1330-20-7)	
BCF - Fish [1]	< 25.9 l/kg
Partition coefficient n-octanol/water (Log Pow)	3.16
Zinc (7440-66-6)	
Partition coefficient n-octanol/water (Log Pow)	-0.47 Source: NLM

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of contents/container in accordance with local/regional/national regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not allow to enter sewers, surface or groundwater.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Flammable vapors may accumulate in the container. Do not re-use empty containers.

SECTION 14: Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
14.1. UN number		
UN1263	1263	1263
14.2. Proper Shipping Name		
PAINT RELATED MATERIAL (including paint thinning or reducing compound) with not more than 20% nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)	Paint related material (including paint thinning or reducing compounds)
14.3. Transport hazard class(es)		
3	3	3
		

TDG	IMDG	IATA
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
No supplementary information available		

14.6. Special precautions for user

TDG

TDG Primary Hazard Classes	:	3 - Class 3 - Flammable Liquids
UN-No. (TDG)	:	UN1263
TDG Special Provisions	:	59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20% nitrocellulose if the nitrocellulose contains not more than 12.6% nitrogen (by dry mass),142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a) “PAINT RELATED MATERIAL” may be used for a means of containment containing both paint and paint related material; (b) “PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE” may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c) “PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE” may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d) “PRINTING INK RELATED MATERIAL” may be used for a means of containment containing both printing ink and printing ink related material.
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	5 L

IMDG

Class (IMDG)	:	3 - Flammable liquids
Special provision (IMDG)	:	163, 367
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
Packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP8, TP28
EmS-No. (Fire)	:	F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	:	S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	:	B
Properties and observations (IMDG)	:	Miscibility with water depends upon the composition.

IATA

Class (IATA)	:	3 - Flammable Liquids
PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364

CAO max net quantity (IATA)	:	60L
Special provision (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Name	CAS-No.	Regulatory reference
Zinc oxide (ZnO)	1314-13-2	Listed on the Canadian DSL (Domestic Substances List)
Aluminum	7429-90-5	Listed on the Canadian DSL (Domestic Substances List)
Naphtha (petroleum), hydrotreated light	64742-49-0	Listed on the Canadian DSL (Domestic Substances List)
Distillates (petroleum), hydrotreated light	64742-47-8	Listed on the Canadian DSL (Domestic Substances List)
ethylbenzene	100-41-4	Listed on the Canadian DSL (Domestic Substances List)
Benzene, dimethyl-	1330-20-7	Listed on the Canadian DSL (Domestic Substances List)
Zinc	7440-66-6	Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Zinc oxide (ZnO) (1314-13-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Aluminum (7429-90-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Naphtha (petroleum), hydrotreated light (64742-49-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Benzene, dimethyl- (1330-20-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Zinc (7440-66-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.2. Other Regulatory Information

Volatile Organic Compound Concentration Limits for Certain Products Regulations: SOR/2021-268

VOC content	46.1 %
Product Category	Not regulated.

SECTION 16: Other information

Issue date : 04-01-2025

Author Joshua Weir

Safety Data Sheet (SDS), Canada, CRC

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