SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2024 / Canada WHMIS 2023

Date issued : 02/11/2022
SDS number : SZC Zinc Weld Thru Coating 425g_EN
Date revised : 12/16/2025
Revision number : 2

SZC Zinc Weld Thru Coating, aerosol

1. Identification

Product identifier: SZC Zinc Weld Thru Coating, aerosol
Product description: Primer, vehicle refinishing product , aerosol coating 425 g / 15 oz
Relevant identified uses of the substance or mixture and uses advised against: Automotive maintenance product; for consumer and professional use.
Other means of identification - product Stock / Code: SZC / 24090
Chemical family: Organic Coating
Molecular formula: Mixture

Manufacturer / Supplier

Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Fax: 905-670-5174
www.dominionsureseal.com
Customer Service: 905-670-5411

Emergency telephone number

Telephone number to contact in the event of an emergency (9 am to 5 pm from M to F):
(905) 670-5411

2. Hazard identification

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2024) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2023). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Skin Irritation, Category 2
Specific Target Organ Toxicity (Single exposure), Category 3 (Narcotic Effects)
Specific Target Organ Toxicity (Repeated exposure), Category 2
Reproductive Toxicity, Category 2

Physical hazards:

Aerosols, Category 1
Simple Asphyxiants, Category 1

Label elements

Hazardous components for labelling:
toluene, isobutyl acetate, mineral spirits and zinc

Flame

Exclamation mark

Health hazard

Signal word: DANGER

Hazard statement(s)

H223: Flammable aerosol.
H229: Pressurized container: may burst if heated.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to central nervous system, kidneys and liver through prolonged or repeated exposure.
H361: Suspected of damaging the unborn child.
H600: May displace oxygen and cause rapid suffocation.

Precautionary statement(s)

Prevention:

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P264: Wash hands thoroughly after handling.
P260: Do not breathe mist, vapours or spray.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves and eye protection.

Response:

P308+P313: IF exposed or concerned: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards not otherwise classified: No data available.

Emergency overview

Immediate concerns: Flammable aerosol. Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Vapours may cause drowsiness and dizziness. Prolonged or repeated exposure may cause nervous system damage. Possible risk of harm to the unborn child. Vapor reduces oxygen availability for breathing.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.
See section 11 for more detailed information on health effects.
See sections 12 for more detailed information on environmental effects.

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.
Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2023 and OSHA Hazcom 2024 Hazard Communication labeling.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
zinc	25 - 29	7440-66-6
toluene	16 - 18	108-88-3
propane	9 - 11	74-98-6
isobutyl acetate	7 - 9	110-19-0
n-butane	7 - 9	106-97-8
petroleum distillates, hydrotreated light	4 - 6	64742-47-8
diiron phosphide	1 - 3	1310-43-6

Comments: The actual concentration is withheld as a trade secret.
There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

4. First-aid measures

Eye: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: If affected by inhalation of spray mist, move to fresh air. Get medical attention if symptoms persist.

Most important symptoms and effects, both acute and delayed

Eye: Mildly irritating to the eyes. Symptoms may include tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin: Contact causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: High gas, vapor, mist or dust concentrations may be harmful if inhaled. May cause headaches and dizziness. High vapor concentrations may cause drowsiness. High vapor concentrations can displace oxygen in enclosed spaces and cause asphyxiation.

Indication of immediate medical attention and special treatment needed, if necessary: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Additional information: No data available.

5. Fire-fighting measures

General hazard: Flammable aerosol. Can readily form explosive mixtures at or above the flash point. Product can be ignited by static discharge.

Suitable extinguishing media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Hazardous combustion products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire fighting procedures: Containers can build up pressure if exposed to heat (fire).

Fire fighting equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to static discharge: Product is sensitive to static discharge.

Sensitivity to mechanical impact: Product is sensitive to mechanical impact. Do not puncture container. Contents under pressure. Do not expose to heat or store above 120°F (49°C).

6. Accidental release measures

Small spill: Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

Environmental precautions

Water spill: Do not flush to sewer.

Land spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special protective equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. Handling and storage

General procedures: Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Precautions for safe handling: Contents under pressure. Do not expose to heat or store above 120°F (49°C). Use only in a well ventilated area. Do not use in the presence of open flame or spark. Do not puncture container. Do not breath vapors or spray mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Conditions for safe storage: Keep away from heat and flame. Store in a cool dry place. Container may explode if heated. Do not incinerate.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
toluene	**OSHA PEL**	**TWA**	200	--
		STEL	300	--
	ACGIH TLV	**TWA**	20	75
	NIOSH REL	**TWA**	100	375
		STEL	150	560
propane	**OSHA PEL**	**TWA**	1000	1800
	ACGIH TLV	**TWA**	1000	--
	NIOSH REL	**TWA**	1000	1800
isobutyl acetate	**OSHA PEL**	**TWA**	150	700
	ACGIH TLV	**TWA**	150	713
	NIOSH REL	**TWA**	150	700
n-butane	**ACGIH TLV**	**STEL**	1000	
	NIOSH REL	**TWA**	800	1900
petroleum distillates, hydrotreated light	**Germany (DFG)**	**TWA**	20	140
		STEL	40	280

Appropriate engineering controls: If user operations generate mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Avoid breathing mists; if general ventilation or local exhaust is inadequate, persons exposed to mists should wear approved breathing devices.

Individual protection measures, such as personal protective equipment

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

Skin: Wear chemical resistant gloves. Neoprene is recommended. Avoid prolonged or repeated contact with skin.

Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved, air-purifying filter, cartridge or canister.

Skin protection - other: Not applicable for aerosol containers.

Occupational hygiene practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

9. Physical and chemical properties

Physical State: Liquid, without aerosol propellants

Odour: Aromatic

Odour threshold: No data available.

Appearance: Aerosol

Colour: Gray

pH: Not Applicable

% Volatiles: 46 to 50% w/w

Flash point: 4°C Setaflash Closed Cup, toluene [lowest known value of aerosol concentrate]

Lower explosion limit / flammability limit: 1.2

Upper explosion limit / flammability limit: 7.1

Explosion limit / flammability limit notes: Based on data for toluene

Auto-ignition temperature: 480°C

Notes: Based on data for toluene [lowest known value of aerosol concentrate]

Vapour pressure: 55 - 70 psig at 20°C

Relative vapour density: > 1 (air = 1)

Initial boiling point and boiling range: 110°C (toluene) [lowest known value of aerosol concentrate]

Freezing point: No data available.

Melting point: No data available.

Decomposition temperature: No data available.

Solubility: Practically insoluble

Partition coefficient n-octanol/water (logarithmic value): No data available.

Evaporation rate (n-butyl acetate = 1): > 1

Density: 1.36±0.01g/ml at 20°C

Notes: An estimate for the aerosol concentrate density

Particle characteristics: No data available.

Relative density: 1.05 to 1.07 [aerosol]

Viscosity (kinematic or dynamic): > 100 cps (Aerosol concentrate) at 25°C (77°F)

VOC content: ≤ 1.0 g O_3 / g product PWR

Flammability: Flammable aerosol

Comments:

Flammability Statement:

The flammability of an aerosol is determined by its flame extension and/or flashback.

Flammability:	Yes
Aerosol Flame Projection:	> 45 cm but < 70 cm
Flashback:	None
Calculated Aerosol Chemical Heat of Combustion, kJ/g	16 to 18

VOC Compliance Statement

Total Volatiles:	46 – 50% w/w (< 535 g/l)
VOC Content:	46 – 50% w/w (< 535 g/l), less exempts PWR (PWMIR): 0.94 g O_3/g product
VOC Regulation:	USA National VOC Emission Standards for Aerosol Coatings – 40CFR PART 59 SUBPART E
Coating Category:	Weld-Through Primer

The VOC content meets the 1.00 PWR category limit for Weld-Through Primer. USA compliant.

VOC Regulation: California – Regulation for Reducing the Ozone from Aerosol Coating Product Emissions – Title 17, California
Coating Category: Weld-Through Primer
The VOC content meets the 1.00 PWMIR category limit for Weld-Through Primer. California compliant.

Restrictions on Sale:

None in U.S.A.
Check for compliance in your area before using.

Not regulated in Canada.

10. Stability and reactivity

Reactivity: No

Dangerous polymerization: Not expected to occur.

Chemical stability: Stable.

Conditions to avoid: Keep away from flames and any object that sparks. Container may expode if heated.

Possibility of hazardous reactions: No data available.

Hazardous decomposition products: Carbon Monoxide and other toxic vapors.

Incompatible materials: Oxidizing materials.

11. Toxicological information

Acute Toxicity

Chemical name	LD_{50} (oral) mg/kg(rat)	LD_{50} (dermal) mg/kg(rabbit)	LC_{50} (inhalation) mg/l
toluene	7000 6400 5500	12,270	49.0(rat;4h) 30.0(mouse;2h) 19.9(mouse;7h)
propane	Not Applicable	Not Applicable	>800,000 ppm (rat,15m) [>1443 mg/L]
isobutyl acetate	> 13,400	> 17,400	> 14.72(rat;6h) > 13.24(rat;6h)
n-butane	Not Applicable	Not Applicable	658(rat;4h) 680(mouse;2h)
petroleum distillates, hydrotreated light	>15,000 >5000	> 2000	>5.2(rat;4h - no deaths)

Acute dermal toxicity LD_{50}: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute oral toxicity LD_{50}: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute inhalation toxicity LC_{50}: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists). High vapor concentrations may be harmful if inhaled. Excessive vapor concentrations are attainable. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation.

Notes: <25 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.
No additional toxicology information is available for this product itself.
(See Component Toxicity Information).

Information on likely routes of exposure:
Eye contact. Skin contact. Inhalation.

Skin corrosion / irritation: Contains: toluene. Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Serious eye damage / irritation: Based on available data, the classification criteria for eye irritation are not met for this mixture. Slightly irritating but does not injure eye tissue.

Respiratory or skin sensitization: Based on available data, the classification criteria for respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).
Based on available data, the classification criteria for skin sensitization are not met for this mixture (< 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a skin sensitizer, sub-category 1B).

Germ cell mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

Chemical name	NTP	IARC	OSHA	Status - other
toluene	--	3	--	A4 (ACGIH)
propane	--	--	--	--
isobutyl acetate	--	--	--	--
n-butane	--	--	--	--
petroleum distillates, hydrotreated light	--	--	--	--

Notes: Based on available data, the classification criteria for Carcinogenicity are not met for this mixture (< 0.1% ingredients classified as a Carcinogen, category 1 or 2).

Reproductive toxicity: The mixture is classified as: Reproductive Toxicity, category 2 based on ingredient data using the applicable cut-off/concentration limits (≥ 0.1% ingredients classified as Reproductive Toxicity, category 2). May cause adverse reproductive effects. Possible risk of harm to the unborn child (Toluene).

Specific Target Organ Toxicity - single exposure: Contains: toluene, isobutyl acetate and petroleum distillates, hydrotreated light. The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits (≥ 20% summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3 [Narcotic Effects]). Can cause central nervous system depression (including unconsciousness). High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

Specific Target Organ Toxicity - repeated exposure: Contains: toluene and petroleum distillates, hydrotreated light. The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits (≥ 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Toluene have been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination. Prolonged or repeated overexposure may cause central nervous system, kidney and liver damage.

Aspiration hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm^2/s at 40 °C).

12. Ecological information

Ecotoxicological information: No data available.

Aquatic toxicity, both acute and chronic: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

Mobility in soil: No data available.

13. Disposal considerations

Disposal methods: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

Product disposal: When container is empty, press button to release all pressure, then dispose of container and unused contents in accordance with Local, Provincial/State and Federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: AEROSOLS

Transport hazard class(es): 2.1

UN number: 1950

Packing group, if applicable: N/AP

DOT other shipping information:
With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity as per DOT 173.306.

ICAO - air

UN proper shipping name: AEROSOLS

UN number: 1950

Transport hazard class(es): 2.1

Packing group, if applicable: N/AP

Subsidiary risks: None

Hazard label: Flammable Gas

IMDG - sea

UN proper shipping name: AEROSOLS

UN number: 1950

Transport hazard class(es): 2.1

Packing group, if applicable: N/AP

Environmental hazards - marine pollutant: None

Hazard label: None

Notes: With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity.

Canadian Transport of Dangerouse Goods Regulations (TDG)

UN proper shipping name: AEROSOLS

UN number: 1950

Transport hazard class(es): 2.1

Packing group, if applicable: N/AP

TDG other shipping information:
With an inner packaging < 1.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Narcotic Effects, Reproductive Toxicity, Simple Asphyxiants, Skin Irritation, Target Organ Toxicity (Repeated exposure)

311/312 Physical hazards: Flammable Aerosols

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
zinc	25 - 29	7440-66-6
toluene	16 - 18	108-88-3

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status:
This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	RQ
zinc	25 - 29	1,000
toluene	16 - 18	1,000
isobutyl acetate	7 - 9	5,000

TSCA (The Toxic Substances Control Act)

TSCA Status:
All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) Hazardous Air Pollutants

Chemical name	% w/w	CAS No.
toluene	16 - 18	108-88-3
n-butane	7 - 9	106-97-8

CAA 112(r) List of Substances for Accidental Release Prevention:

Name	CAS No.	Threshold Qty (TQ)
Propane	74-98-6	10,000
Butane	75-28-5	10,000

California Proposition 65:

⚠ **WARNING**: This product can expose you to chemicals including the chemical(s) listed below, which is [are]

known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical name	% w/w	Listed
toluene	16 - 18	• Developmental Toxicity • Female Reproductive

USA OSHA Hazard Communication Standard (29CFR 1910.1200):
OSHA Status: Hazardous Product (See Section 2 for details).
This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2024).

CANADA

WHMIS Hazard Symbol and Classification

See Section 2 for details.

WHMIS Regulatory Status:
This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2023).

WHMIS Classification:
WHMIS 2023 (Canada) Status: Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
toluene	108-88-3	1A, 5 (VOC)
petroleum distillates, hydrotreated light	64742-47-8	5 (VOC)
propane	74-98-6	5 (VOC)
n-butane	106-97-8	5 (VOC)

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):
All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. Other information

Reason for issue: The Safety Data Sheet was updated.

Approved by: Jim Gordon **Title:** R&D Chemist

Prepared by : Regulatory Compliance

Date revised: 12/16/2025

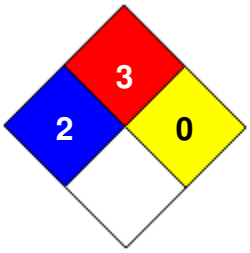
Information contact: 905-670-5411

Revision summary: This SDS replaces the 12/16/2025 SDS.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		2
PERSONAL PROTECTION		G

NFPA CODES



NFPA 30 / 30B Storage Classification: Level 1 Aerosol

Manufacturer supplemental notes: None

Data sources: Not Available

Additional SDS Information: N/AV Not Available
N/AP Not Applicable
ND Not yet determined
ACGIH American Conference of Governmental Industrial Hygienists
CAA The Clean Air Act
CCCR The Consumer Chemicals and Containers Regulations
CEPA The Canadian Environmental Protection Act
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA The Emergency Planning and Community Right-To-Know Act
IARC International Agency for Research on Cancer
MSHA Mine Safety and Health Administration
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program
OSHA The Occupational Safety and Health Administration
SARA The Superfund Amendments and Reauthorization Act
WHMIS Workplace Hazardous Materials Information System

General statements: None

Comments: None

Manufacturer disclaimer: The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.