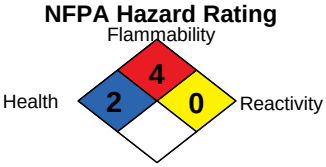
WALTER Surface Technologies

NFPA Hazard Rating



0 = Minimum 1 = Light 2 = Moderate 3 = Serious 4 = Extreme

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**ZINC-200**
Product Identifier	53-H 152 (400ml), Aerosol
MSDS No.	L-95E
Product Family	Corrosion Protection
Manufacturer	J. WALTER CO. LTD, 5977 Trans-Canada Highway, Pointe-Claire, Qc, H9R 1C1, 1-888-592-5837, www.walter.com
Emergency Contact Information	CANUTEC (Canadian Transport Emergency Centre), (613) 996-6666, 24 Hours / 7 Days
Use	Cold galvanizing spray

2. HAZARDS IDENTIFICATION

WHMIS Classification

Class A

Class B5

Class D2A; D2B

A - Compressed Gas; B5 - Flammable Aerosol; D2A - Very Toxic; D2B - Toxic

Potential Health Effects

Route of Exposure	Inhalation; skin contact; eye contact; ingestion.
Inhalation	Can irritate the nose and throat.
Skin Contact	May cause irritation.
Eye Contact	EYE IRRITANT.
Ingestion	May cause headache, nausea, vomiting and weakness.
Effects of Short-Term (Acute) Exposure	Dizziness, nausea, irritation to skin and eyes.
Effects of Long-Term (Chronic) Exposure	Solvents may cause defating dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Registry No.	Concentration %	Other Identifiers
Zinc metal	7440-66-6	30-60	N/Av
Toluene	108-88-3	10-30	N/Av
Isobutane	75-28-5	7-13	N/Av
Propane	74-98-6	5-10	N/Av
Naphtha	8030-30-6	1-5	N/Av

4. FIRST AID MEASURES

First Aid Procedures

Inhalation	Move victim to fresh air. Call a Poison Control Centre or doctor if victim feels unwell. If unconscious, remove victim from exposure ensuring one's safety whilst doing so, check for breathing and apply artificial respiration if necessary.
Skin Contact	Immediately flush with lukewarm, gently flowing water for 15-20 minutes.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Transfer to hospital for specialist examination.
Ingestion	Immediately call a Poison Control Centre or doctor. Treatment is urgently required. Transport to a hospital.

5. FIRE FIGHTING MEASURES

Flammable Properties	Can ignite if strongly heated.
Suitable Extinguishing Media	Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Chemical	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
Protective Equipment and Precautions for Firefighters	Wear fire equipment at all times. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
Environmental Precautions	Do not allow into any sewer, on the ground or into any waterway.
Methods for Containment and Clean-up	Do not use absorbants. Contain spill using noncombustible material such as vermiculite, earth or sand.

7. HANDLING AND STORAGE

Handling	Ensure there is sufficient ventilation in the area. Do not handle in a confined space. Smoking is forbidden.
Storage	Store in an area that is: cool, well-ventilated. Keep away from direct sunlight. Keep in original packaging. Avoid excessive heat, sparks and open flames.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name		CAS Registry No.	TWA
Zinc metal		7440-66-6	N/Av
Toluene		108-88-3	50 ppm
Isobutane		75-28-5	1000 ppm (8hrs)
Propane		74-98-6	1000 ppm (8hrs)
Naphtha		8030-30-6	400 ppm

Personal Protective Equipment (PPE)

Eye/Face Protection	Wear chemical safety goggles.
Skin Protection	Wear chemical resistant gloves.
Respiratory Protection	If used indoors on a regular basis, use of a cartridge type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol.
Appearance	Aluminum.
Odour	Aromatic odour.
Boiling Point	93-156 ºC (199-313 ºF)
Specific Gravity	1,49-1,53 g/ml @ 20 ºC (68 ºF)
Solubility in Water	Insoluble.
Vapour Pressure	3100 hPa
Vapour Density (air = 1)	>1
Evaporation Rate (N-Butyl acetate=1)	>1
Flash Point	4 ºC (39,2 ºF)
Lower Flammable/Explosive Limit	1%
Upper Flammable/Explosive Limit	9,50%
Auto-ignition Temperature	480 ºC (896 ºF)
VOC (g/L)	566 g/L

10. STABILITY AND REACTIVITY

Chemical Stability Normally stable.

Conditions to Avoid Avoid excessive heat, sparks and open flames.

Incompatible Materials Oxidizing agents (e.g. peroxides).

Hazardous Decomposition Products Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

11. TOXICOLOGICAL INFORMATION

LC50/LD50 Values

Ingredients	CAS Number	LD_{50}RAT (oral)	LC_{50}RAT
Zinc metal	7440-66-6	N/Av	N/Av
Toluene	108-88-3	5000 mg/kg	8000 ppm (4hrs)
Isobutane	75-28-5	N/Av	N/Av
Propane	74-98-6	N/Av	142,500 ppm (4hrs)
Naphtha	8030-30-6	N/Av	N/Av

Skin Irritation / Corrosion Human experience shows mild irritation.

Eye Irritation / Corrosion Human experience shows mild irritation.

Teratogenicity / Embryotoxicity Human studies show negative effect on developing child at levels > 1500 ppm (Toulene CAS 108-88-3).

12. ECOLOGICAL INFORMATION

Persistence and Degradability Does not biodegrade readily.

Bioaccumulation / Accumulation No information was located.

Mobility Insoluble in water.

13. DISPOSAL CONSIDERATIONS

Cont
act

14. TRANSPORT INFORMATION

Shipping Information

Regulation	UN No.	Shipping Name	Class	Packing Group
Canadian TDG	1950	ZINC-200, (Aerosol)	2,1	N/Av

Other Transport Information

Special Shipping Information Not applicable

15. REGULATORY INFORMATION

Canada

Domestic Substances List (DSL)

All ingredients are listed on the DSL.

CEPA - National Pollutant Release Inventory (NPRI)

All ingredients are listed or exempted.
This Product has been classified in
accordance with the hazard criteria of the

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

US OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Additional USA Regulatory Lists

CERCLA: RQ: 1,000 (Zinc CAS 7440-66-6) , 1,000 (Toluene CAS 108-88-3)
SARA Title III - Section 302: None
SARA Title III - Section 311/312: None
SARA Title III - Section 313: (Toluene CAS 108-88-3)
New Jersey Right To Know: Substance No. 2021 (Zinc CAS 7440-66-6) ,Substance No. 1866 (Toluene CAS
108-88-3) ,Substance No. 0518 (Naphtha CAS 8030-30-6) ,Substance No. 1040 (Isobutane CAS 75-28-5) ,Substance
No. 1594 (Propane CAS 74-98-6).
Section 112: Hazardous Air Pollutants (HAPS): None.

16. OTHER INFORMATION

MSDS Prepared By	International Project Manager, Environmental & MRO Solutions
Phone No.	1-888-592-5837
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