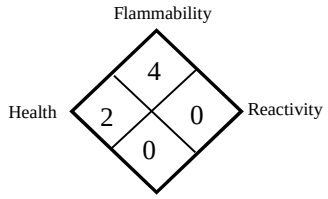
WALTER
Surface Technologies

MATERIAL SAFETY DATA SHEET
L-54E

NFPA Hazard Rating



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

Section 1 - Product Identification

J. WALTER COMPANY LTD.
5977 Transcanada Highway
Pointe-Claire, Quebec
H9R 1C1
Emergency: CANUTEC (613) 996-6666

Trade name: **Zinc-100**
Product name: Bright galvanizing spray
Order no.: 53-H 102
WHMIS Classification: A, B5, D2A, D2B
Controlled under WHMIS: Yes

Section 2 - Hazardous Ingredients

Ingredients	CAS Number	% by Weight	LD_{50}RAT	LC_{50}RAT
Acetone	67-64-1	10-30	>9750 mg/kg	>16000 ppm for 4 hours
Mehyl Ethylketone	78-93-3	10-30	3400 mg/kg	8000 ppm for 8 hours
Zinc Elemental	7440-66-6	7-13	N/Av	N/Av
Toluene	108-88-3	7-13	5000 mg/kg	8000 ppm for 8 hours
Xylene	1030-20-7	1-5	4.3 g/kg	6350 ppm for 4 hours
Aluminum	7429-90-5	1-5	N/Av	N/Av
Diacetone Alcohol	123-42-2	1-5	4000 mg/kg	N/Av
Mineral Spirits	64742-47-8	1-5	5000 mg/kg	1400 ppm for 4 hours
Ethyl Benzene	100-41-4	0.5-1.5	5460 mg/kg	N/Av
Isobutane	75-28-5	10-30	N/Av	142000 ppm for 4 hours
Propane	74-98-6	1-5	N/Av	N/Av

Section 3 - Physical / Chemical Characteristics

Physical state: Aerosol
pH: N/A
Specific gravity: 0.79-0.83 g/ml @ 20ºC
Evaporation rate: >1 m Butyl Acetate ±1

Odour & appearance: Aromatic, aluminum
Boiling point: 57-168ºC
Vapour pressure: 40-50 psig
VOC (w/w%): 64-65

Odour threshold: N/Av
Freezing point: N/A
Vapour density: >1 (air=1)
Water solubility: Negligible

Section 4 - Fire & Explosion Hazard

Flammability: Yes ***Conditions:*** *Excessive heat, sparks, open flame.*
Flashpoint: Lowest known value is acetone @ -18ºC.
Auto ignition temperature: 465-527ºC
Flammable limits (%): Upper: 12.8 Lower: 1

Extinguishing media: Carbon dioxide, dry chemical powder, foam.
Hazardous combustion products: Hydrocarbon fumes, smoke, carbon monoxide where combustion is incomplete.
Sensitivity to mechanical impact or static discharge: N/A

Section 5 - Reactivity Data

Chemical stability: Yes ***Conditions:*** *Normal conditions*
Reactivity conditions: N/A
Incompatible substances: Strong oxidizing agents.
Hazardous decomposition products: Hydrocarbon fumes and smoke, carbon monoxide where combustion is incomplete.

N/A - Not Applicable **N/Av - Not Available**

Section 6 - Toxicological Data

Route of entry: Eye and skin contact, inhalation, ingestion.
Acute exposure effects: Dizziness, nausea, irritation to skin and eyes.
Chronic exposure effects: Solvents may cause defatting dermatitis.

Carcinogenicity	Mutagenicity	Reproductive toxicity	Teratogenicity	Synergistic effects
No	No	Yes	No	No

If yes to any of the above, specify: Results based on exposure to high concentration of Toluene and Xylene in animal study.

Section 7 - Preventive Measures

Protective equipment: Eyewear, gloves.
Handling procedures: Normal procedures when handling aerosol.
Waste disposal methods: Dispose as per municipal, provincial and federal regulations.
Leak/spill procedures: Remove all sources of ignition, use an inert materiel absorbent material and non sparking tools, prevent from entering a watercourse.
Storage requirements: Store in a cool area not exceeding 50ºC.
Engineering controls: Ensure adequate ventilation.
Handling equipment: None
Special shipping information: Aerosol, Class 2.1, UN1950

Section 8 - First Aid Measures

Skin contact: Wash with water and soap.
Eye contact: Flush with plenty of clean water for at least 15 minutes.
Inhalation: Remove victim to fresh air.
Ingestion: Do not induce vomiting. Consult a physician.
Other: N/A

Section 9 - Preparation of MSDS

Prepared by: International Project Manager -Environmental & MRO Solutions
Telephone: 1-888-592-5837
Date: January, 15 2014

This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to bee generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

N/A - Not Applicable **N/Av - Not Available**