

## Section 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Weld Antispatter Aerosol 400g

Product Code: 7734

**Uses:** Prevents weld spatter from adhering to metallic surfaces.

Company: Chemz Limited

Address: 80 Rangitane Place

Whakatu, Hastings

**Telephone:** +64 6 877 9690

Email: info@chemz.co.nz

Emergency Number 24 hr: 0800 764 766 (0800 POISON) National Poison Centre

## Section 2 – HAZARDS IDENTIFICATION

### Classification of the product

Considered a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ. Classified as a dangerous goods for transport purposes.

## GHS Classifications: HSNO Classifications:

Aerosol Category 3

2.2 Aerosol (Non-flammable)

Acute toxicity oral Category 4

6.1D Acutely toxic (oral)

Skin irritation Category 2

6.3A Irritating to the skin

Eye irritation Category 2

6.4A Irritating to the eye

Carcinogenicity Category 2 6.7B Suspected human carcinogen

STOT (chronic) Category 2 6.9B Harmful to human target organs or systems (chronic)







Signal Words: Danger

#### **Hazard Statements**

H280 Non-flammable aerosol.

H229 Pressurised container: May burst if heated.

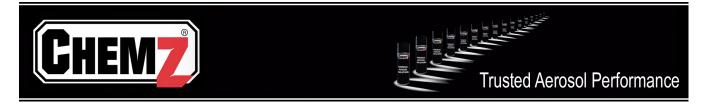
H302 Harmful if swallowed.H315 May cause skin irritation.

H319 May cause serious eye irritation.H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

# Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Methylene Chloride	75-09-2	> 60
Carbon Dioxide	124-38-9	1 - 10
Non-hazardous ingredients		to 100



#### Section 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

If exposed or if you feel unwell: Call a POISON CENTRE or doctor.

**Eye contact:** IF IN EYES: Rinse well with water for fifteen minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Transport to hospital or doctor without delay.

Inhalation: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for

breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

**Skin contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice.

Ingestion: Not considered a normal route of entry. IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

Do NOT induce vomiting. Obtain immediate medical attention.

**Notes to physician:** Treat symptomatically and supportively. No specific antidote.

## Section 5 - FIRE-FIGHTING MEASURES

**General fire hazards:** Pressurised aerosol container.

Specific hazards: Non-combustible. Not considered a significant fire risk. Containers can build up pressure if exposed to

heat and/or fire and may explode.

However, vapour may burn when in contact with high temperature flame such as welding, ignition ceases on removal of flame. May form a flammable or explosive mixture in an oxygen enriched atmosphere.

May be violently or explosively reactive.

Further advice: On burning may emit toxic fumes including those of phosgene, hydrogen chloride, carbon monoxide and

carbon dioxide. Fire fighters to wear self-contained breathing apparatus.

Extinguishing media: Use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Do not discharge

extinguishing waters into the aquatic environment. Do NOT use straight streams of water.

Protective equipment: Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face

shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting instructions: In the event of fire, cool containers with water spray to prevent vapour pressure build up. Move

containers from fire area if you can do so without risk. Runoff can cause environmental damage.

Hazchem Code: 2YE

### Section 6 – ACCIDENTAL RELEASE MEASURES

Minor spills: Clean up all spills immediately. If safe to do, damaged cans should be placed in a container outdoors,

away from all ignition sources, until pressure has dissipated. Undamaged cans should be gathered and

stowed safely. Provide ventilation. Wash with water. Spills are extremely slippery.

Major spills: Evacuate the spill area. Call the Fire Brigade. If safe to do so, prevent spillage from entering drains or

water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other

inert material). Collect and seal in properly labeled containers for disposal.

# Section 7 – HANDLING AND STORAGE

**Handling Precautions:** Do not handle until all safety precautions have been read and understood. Read product label before use.

Keep out of reach of children.

Keep away from heat and open flames. Pressurised container: Do not pierce or burn, even after use. No smoking. Beware: Deliberately sniffing or inhaling concentrated contents can be harmful or fatal.

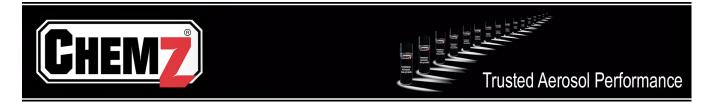
Use outdoors or in a well-ventilated area. Avoid breathing spray or vapours. Wash hands with soap and

water after handling.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Store in a well ventilated, cool,

dry place. Keep away from heat and flame. Store locked up.

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### Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits:** No value assigned for product. Exposure standards for constituents (NZ WES);

Material	TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Methylene Chloride (6.7B)	174	-
Carbon Dioxide	9,000	54,000

Additional Information: Obtain special instructions before use. Wash hands before eating, drinking and smoking.

Engineering Controls: No controls generally required when handling small quantities. Use with adequate ventilation.

Larger quantities: General exhaust is adequate under normal operating conditions. Exhaust ventilation should be designed to prevent accumulation and recirculation in the workplace. Ventilation equipment

and lighting should be explosion-resistant.

Protective Equipment: General protective gloves are recommended. In an industrial environment: chemical protective gloves,

safety glasses or chemical goggles are recommended. Wash contaminated clothing before reuse.

Contaminated work clothing should not be allowed out of the workplace.

In case of inadequate ventilation, wear respiratory protection. If TWA is exceeded, wear an approved

respirator with a type A filter.

## Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical state**: Colourless spray with characteristic odour.

**pH:** Not applicable.

Vapour Density: > 1 (Air =1)
Vapour Pressure, kPa: 300 - 600

**Boiling Point, °C:** About 40

Melting Point, °C: Not applicable.

Specific Gravity: About 1.3

Flash Point, °C: Not determined.

Explosion Limit, % v/v: LEL 12% UEL 19%

Autoignition Temp, °C: > 200

**Solubility:** Not soluble in water.

### Section 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use. Not reactive. Avoid oxidisers. Avoid elevated temperatures.

### Section 11 - TOXICOLOGICAL INFORMATION

Basis for Assessment: Information given is based on product testing, and/or similar products, and/or components.

Acute Oral Toxicity:  $LD_{50}$  estimated to be > 1,700 mg/kg (based on component mixture). Acute Dermal Toxicity:  $LD_{50}$  estimated to be > 5,000 mg/kg (based on component mixture).

Acute Inhalation Toxicity: LC<sub>50</sub> estimated to be >20 mg/L, Rat 4 hour (based on component mixture).

Beware: Deliberately sniffing or inhaling concentrated contents can be harmful or fatal.

**Ingestion:** Harmful if swallowed..

**Skin Irritation:** Avoid contact with skin. Moderate irritant to skin.

**Eye Irritation:** May cause serious eye irritation. Moderate inflammation may be expected with redness; conjunctivitis

may occur with prolonged exposure. Avoid contact with eyes.

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Inhalation: May cause drowsiness or dizziness. Material is highly volatile and may form concentrated levels of

vapour. May displace air and act as a simple asphyxiant.

**Respiratory Irritation:** Inhalation of vapours or mists may cause irritation to the respiratory system.

**Sensitisation:** Not expected to be a contact or respiratory sensitiser.

**Carcinogenicity:** Components in this product are suspected of causing cancer in humans.

**Reproductive toxicity:** Not expected to be toxic.

STOT (Narcotic): Prolonged inhalation of vapours may be narcotic and cause drowsiness or dizziness.

**Repeated Dose Toxicity:** Repeated, prolonged exposure by inhalation may cause damage to organs. Accumulation in the human

body may occur and may cause some concern following repeated or long-term occupational exposure.

### Section 12 – ECOTOXICITY INFORMATION

**Ecotoxicity:** Harmful to aquatic life with long lasting effects.

**Mobility:** Mobility is expected to be low in soil.

Persistence/degradability: Partially biodegradable.

Bioaccumulation Potential: May bioaccumulate.

#### Section 13 - DISPOSAL CONSIDERATIONS

Material Disposal: Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the

environment, in drains or in water courses.

Large quantities should be degassed by an aerosol recycler. Do not dispose of large quantities of

pressurised aerosols in landfills. Incineration in an authorised facility is suggested.

**Container Disposal:** Recycle empty container if possible or dispose in landfill. Product containers are also considered wastes

of the same class of the contents and should be disposed of in accordance with applicable regulations.

### Section 14 - TRANSPORT INFORMATION

**Transport:** Classified as a Dangerous Good for transport purposes.

Class 2.2 should not be loaded on the same vehicle as Classes 1, 3 (where both are in bulk), 4, 5, and 7.

They may be loaded with Classes 3, 6, 8, 9, foodstuffs and foodstuff empties.

Proper Shipping Name: Aerosols
UN Number: 1950
Dangerous Goods Class: 2.2

Transport Labels Required: Class 2.2 Non-flammable (Land, Sea, Air), EHSM (Sea and Air)

Land, Sea, Air MP





Subsidiary Risk: Not applicable

Packing Group: Not applicable

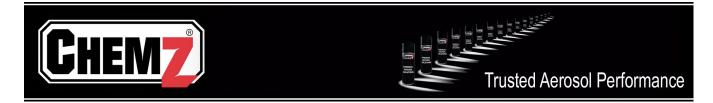
Marine Pollutant: Yes

**EMS Number** F-D, S-U (UN 1950 Aerosols)

**DG Segregation:** This product is classified as a Dangerous Goods. Consult the Land Transport Rule: Dangerous Goods 2005,

and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

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#### Section 15 – REGULATORY INFORMATION

Inventory Listing NZIOC (New Zealand Inventory of Chemicals); All components of this product are listed.

SDS regulations This Safety Data Sheet was prepared in accordance with the EPA Hazardous Substances (Safety Data

Sheets) Notice July 2017.

**EPA Approval Number:** HSR002520 Aerosols (Non-flammable, Carcinogenic) Group Standard 2020.

**EPA Hsno Controls:** Refer to <a href="https://www.epa.govt.nz">www.epa.govt.nz</a> for information on Controls.

This substance is to be managed using the conditions specified in an applicable Group Standard.

## Section 16 - OTHER INFORMATION

#### Additional information

Personal Protective Equipment Guidelines: The recommendation for protective equipment contained is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations CAS Chemical Abstract Service number

EMS Emergency Response Procedures for Ships Carrying Dangerous Goods

EPA Environmental Protection Agency
GHS Globally Harmonized System

IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods

LC<sub>50</sub> Lethal Concentration, 50% / Median Lethal Concentration

LD<sub>50</sub> Lethal Dose, 50% / Median Lethal Dose

LEL Lower Explosion Limit mg/m³ Milligrams per Cubic Metre

NZIoC New Zealand Inventory of Chemicals

N.O.S. Not otherwise specified
 OEL Occupational Exposure Limit
 PEL Permissible Exposure Limit
 STEL Short-Term Exposure Limit

STOT-RE Specific target organ toxicity (repeated exposure)
STOT-SE Specific target organ toxicity (single exposure)

TLV Threshold Limit Value
TWA Time Weighted Average
UEL Upper Explosion Limit

This SDS summarises our best knowledge of the health and safety hazard information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Since we cannot control the conditions under which the product may be used, each user must review this SDS in the context of how the user intends to use the product. End of sds.

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