

Zero-Spat SPR

Material Safety Data Sheet



Chemtools

Unit 4, 3 Pullman Place
Emu Plains NSW 2750

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Chemtools Zero Spat Aerosol
Part Numbers: CT-ASPR-500
Product Type: Welding anti-spatter aerosol
Company Address: ChemTools Pty. Ltd., PO Box 463, Emu Plains, NSW 2750
Ph: 02 4735 3126
EMERGENCY PHONE: Australia: Poisons Information Centre 13 1126
International: Infotrac (708) 918 1900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS #	%	HSIS TWA	HSIS STEL
Methylene chloride	75-09-2	60-100	50ppm, 174mg/m ³	
Non-hazardous	n/a	10-20		
Carbon dioxide	124-38-9	<10	5000ppm, 9000mg/m ³	30000ppm, 54000mg/m ³

3. HAZARDS IDENTIFICATION

Statement of Hazardous Nature This product is classified as: Hazardous according to the criteria of SafeWork Australia. Dangerous Good according to the Australian Dangerous Goods (ADG) Code.
Limited evidence of a carcinogenic effect

Risk Phrases:
R22 - Harmful if swallowed.
R33- Danger of cumulative effects*
R38 - Irritating to skin.
R40 - Limited evidence of a carcinogenic effect
R44 - Risk of explosion if heated under confinement.
R60 - May affect fertility*
R67 - Vapours potentially cause drowsiness and dizziness*

Safety Phrases:
S7 - Keep container tightly closed.
S9 - Keep container in a well ventilated place.
S13 - Keep away from food drink and animal feeding stuffs.
S23 - Do not breathe gas/fumes/vapour/spray.
S26 - In case of contact with eyes rinse with plenty of water and contact Doctor or Poisons Information Centre.
S40 - To clean the floor and all objects contaminated by this material use water.
S51 - Use only in well ventilated areas.
S53 - Avoid exposure - obtain special instructions before use

Major Health Hazards:
No specific data is available for chronic exposure symptoms. Methylene chloride is listed as an A3 Carcinogen – Confirmed Animal Carcinogen with Unknown Relevance to Humans (NOHSC). It is carcinogenic in experimental animals at relatively high dose by routes or mechanisms that may not be relevant to worker exposure. Available epidemiological studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that it is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

Chronic:
Repeated and prolonged exposure may produce liver and kidney damage.

Acute effects:
Swallowed: Unlikely to occur in normal use. Toxicity is moderate. May cause nausea, abdominal discomfort as liquid expands to gas.
Eye: No effects in normal use. Moderate eye irritant. Direct contact may cause transient eye damage.
Skin: No effects in normal use. Repeated and prolonged direct contact may cause irritation and dermatitis.
Inhaled: No effects in normal use with adequate ventilation. Vapour may be irritating to mucous membranes and respiratory tract. High concentrations will lead to anaesthetic effects and adverse effects on the central nervous system. Very high concentrations can result in loss of unconsciousness and be fatal.

4. FIRST AID MEASURES

General Information:
Swallowed: Do not induce vomiting! Give 1 to 2 glasses of water to dilute. If vomiting occurs, keep victim's head below hips to prevent aspiration into the lungs. Get prompt medical attention. Hold open and flush with water for 15 minutes. Seek medical advice immediately.
Eye: Wash with warm water and soap. Seek medical advice if irritation occurs.
Skin: Wash with warm water and soap. Seek medical advice if irritation occurs.
Inhaled: Remove to fresh air, administer artificial respiration if needed. Seek medical attention.
First Aid Facilities: No special requirements.

Material Safety Data Sheet

Issued by: Chemtools Pty., Ltd.,

Page 1 of 4

Zero-Spat SPR

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Advice To Doctor: Treat symptomatically. Aspiration hazard. May cause chemical pneumonitis.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.
Special Fire fighting Procedures: Move container from fire area if it can be done without risk.
Unusual Fire & Explosion Hazards: Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES

Accidental release: Absorb into vermiculite, dry sand or earth and place into containers.

7. HANDLING AND STORAGE

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:
Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.
Ventilation: This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.

Eye Protection: No special requirements under normal use. Avoid contact with the eyes.
Skin Protection: No special requirements under normal use. If prolonged skin contact is likely to occur wear impervious gloves, clothes and, preferably, apron.
Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator: No special requirements under normal use. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
Hygienic Work Practises: Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material. DO NOT SMOKE IN WORK AREA!

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aerosol. Liquid.
Colour: Light Brown to colourless.
Odour: Characteristic.
Specific Gravity 0.950 at 20°C (g/ml):
Vapour Pressure: 47.1 kPa at 20°C
Volatility: Volatile.
Solubility: Insoluble in water
Auto Ignition Temperature: >465°C

10. STABILITY AND REACTIVITY

Reactivity:
Conditions to Avoid: Heat flames and other sources of ignition.
Incompatibilities: No particular incompatibilities.
Fire Decomposition: Only small quantities of decomposition products are expected from this products at temperatures normally achieved in a fire. Oxides of carbon formed.
Polymerisation: This product will not undergo polymerisation reactions

11. TOXICOLOGICAL INFORMATION

Health Hazards, General: Known or suspected carcinogen for humans.
Inhalation: High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
Skin: Contact with liquid form may cause frostbite.
Eyes: Irritation of eyes and mucous membranes.

Material Safety Data Sheet

Issued by: Chemtools Pty., Ltd.,

Page 2 of 4

Zero-Spat SPR

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12. ECOLOGICAL INFORMATION

This product is unlikely to adversely affect the environment in the long term.

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Recover or recycle if possible. Dispose of according to Federal, State and local governmental regulations.

Container disposal: Drain container thoroughly. Recycle if possible.

14. TRANSPORT INFORMATION

Labels Required: NON-FLAMMABLE COMPRESSED GAS, TOXIC
HAZCHEM: None (ADG6)



Land Transport : UNDG:
Class or division: 2
Subsidiary risk: None
UN No.: 1950
UN packing group: None
Shipping Name: AEROSOLS

Air Transport IATA:
ICAO/IATA Class: 2.2
ICAO/IATA Subrisk: 6.1
UN/ID Number: 1950
Packing Group: None
Special provisions: A1 A145 A153
Cargo Only
Packing Instructions: 212
Maximum Qty/Pack: 50 kg
Passenger & Cargo Packing Instructions: Forbidden
Passenger & Cargo Maximum Qty/Pack: Forbidden
Passenger & Cargo Limited Quantity: -
Passenger & Cargo Limited Quantity: -
Packing Instructions: -
Maximum Qty/Pack: -
Shipping Name: AEROSOLS, NON-FLAMMABLE (TEAR GAS DEVICES)

Maritime Transport IMDG:
IMDG Class: 2.2
IMDG Subrisk: SP63
UN Number: 1950
Packing Group: None
EMS Number: F- D, S- U
Special provisions: 63 190 277 327 959
Limited Quantities: See SP277
Marine Pollutant: Not Determined
Shipping Name: AEROSOLS

15. REGULATORY INFORMATION

Poisons Schedule (SUSDP): None

16. OTHER INFORMATION

Abbreviations/Acronyms:
ADG – Australian Dangerous Goods.
AICS – Australian Inventory of Chemical Substances.
HSIS – Hazardous Substances Information System.
IARC – International Agency for Research on Cancer.
NIOSH – National Institute of Occupational Health and Safety.
NOS – Not Otherwise Specified.
PEL – Permissible Exposure Limit.
STEL – Short Term Exposure Limit.
SWA – SafeWork Australia, formally ASCC and NOHSC.
SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
TLV – Threshold Limit Value.
TWA – Time Weighted Average.

Date of MSDS: May 2011

Material Safety Data Sheet

Issued by: Chemtools Pty., Ltd.,

Page 3 of 4

Zero-Spat SPR

Material Safety Data Sheet

DISCLAIMER:

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purpose other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.

End of MSDS



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Page 4 of 4