

SPOT SURVEY WHITE

SAFETY DATA SHEET ACCORDING TO WHS AND ADG REQUIREMENTS

SECTION 1 IDENTIFICATION

PRODUCT IDENTIFIER

| | |
|--|------------------------------|
| Product name | Spot Survey (White) |
| Other means of Identification | Mixture |
| Recommended Use of the Chemical and Restriction on Use | Aerosol survey marking paint |
| Other means of identification | Not Available |

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

| | |
|-------------------------|--|
| Registered company name | Silver Zinc Supplies |
| Address | 2/10 Maiella Street Stapytton Queensland 4207 Australia |
| Telephone | 1300 2653 425 |
| Fax | +61 7 3287 4568 |
| Website | silverzinc.com.au |
| Email | orders@silverzinc.com.au |

EMERGENCY TELEPHONE NUMBER

| | |
|-----------------------------------|----------------------|
| Association / Organisation | Silver Zinc Supplies |
| Emergency Telephone Numbers | 0400018006 |
| Other emergency telephone numbers | Not Available |

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SECTION 2 HAZARDS IDENTIFICATION

HAZARDOUS NATURE:

| | |
|----------------|---|
| Classification | Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). |
|----------------|---|

LABEL ELEMENTS

| | |
|---------------------|---|
| Hazard Pictogram(s) |  |
| Signal Word | Danger |

HAZARD STATEMENT(S)

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H304 | May be fatal if swallowed and enters airways. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H222 | Extremely flammable aerosol. |
| H336 | STOT SE 3 |

PRECAUTIONARY STATEMENT(S)

| | |
|--------------------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P251 | Do not pierce or burn, even after use. |
| P211 | Do not spray on an open flame or other ignition source. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear eye protection / face protection. |
| P264 | Wash hands thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER/ doctor. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

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PRODUCT NAME: SPOT SURVEY (WHITE)








| | |
|-------------|---|
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P331 | Do NOT induce vomiting. |
| P405 | Store locked up. |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P501 | Dispose of contents/container in accordance with local/regional/national regulations. |

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: Mixtures

DESCRIPTION: Mixture of substances listed below with nonhazardous additions.

HAZARDOUS COMPONENTS

| CAS No. | % [Weight] | Name | |
|------------|------------|-----------------------------------|--|
| 115-10-6 | 20-30 | Dimethyl ether | Flammable Gases 1, H220 Gases Under Pressure (Compressed gas), H280   |
| 67-64-1 | 25 | Acetone | Flammable Liquids 2, H225 Serious Eye Damage/Irritation 2A, H319 STOT SE 3, H336   |
| 8030-30-6 | 13 | Naphtha | Aspiration Hazard 1, H304  |
| 13463-67-7 | 7-9 | Titanium oxide (TiO2) | |
| 471-34-1 | 3-8 | Carbonic acid, calcium salt (1:1) | |
| 123-86-4 | 4-6 | n-butyl acetate | Flammable Liquids 3, H226 STOT SE 3, H336   |

ADDITIONAL INFORMATION:

This product also contains 3-5% white organic pigment (CAS No. not supplied)

Note (Applies to naphtha, CAS No. 8030-30-6):

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (CAS No. 71-43-2).

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SECTION 4 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

| | |
|-----------------------------|---|
| Eye Contact | In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur. |
| Skin Contact | In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop. |
| Ingestion | If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek medical attention and treat symptomatically. |
| Symptoms Caused by Exposure | <ul style="list-style-type: none">Inhalation: May cause drowsiness and dizziness, breathing difficulty and headaches. May cause asphyxiation in high concentrations.Skin Contact: May cause skin irritation.Eye Contact: Causes serious eye irritation.Ingestion: May cause nausea and discomfort. May be fatal if swallowed and enters airways. |

SECTION 5 FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

- **SMALL FIRE: BCF, DRY POWER, SAND, EARTH OR CARBON DIOXIDE.**
- **LARGE FIRE: WATER SPRAY OR FOG AND FOAM.**

SPECIAL HAZARDS ARISING FROM THE CHEMICAL

| | |
|--|---|
| | <ul style="list-style-type: none">Hazardous combustion products include oxides of carbon. |
| | <ul style="list-style-type: none">Product is extremely flammable. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. |
| | <ul style="list-style-type: none">Closed containers may explode when exposed to extreme heat. Do not expose to temperatures exceeding 50°C. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers. |

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS:

| | |
|--|--|
| | <ul style="list-style-type: none">When fighting a major fire wear self-contained breathing apparatus and protective equipment. |
|--|--|

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.
- Evacuate all non-essential personnel from affected area.
- Do not breathe vapours.
- Ensure adequate ventilation.
- Extinguish all sources of ignition.
- Avoid sparks and open flames.
- No smoking.
- This product will cause staining and it should be expected that marks will not be able to be removed.

ENVIRONMENTAL PRECAUTIONS

- In the event of a major spill, prevent spillage from entering drains or water courses.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.
- Collect the spilled material and place into a suitable container for disposal.
- Residue should be washed away with soapy water, though staining should be expected.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Safe handling

- Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.
- Use only outdoors or in a well-ventilated area.
- Take precautionary measures against static discharge.
- Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet.
- Wash contaminated clothing and other protective equipment before storage or re-use.
- Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

CONDITIONS FOR SAFE STORAGE

Safe Storage

- Store in a cool, dry and well ventilated area.
- Containers should be inspected periodically during long-term storage.
- Protect from heat, sparks, open flames, hot surfaces, direct sunlight, extreme freezing, exposure to moisture and sudden impacts.
- Keep away from acids and water.
- Do not weld, cut or drill on full or empty containers.
- Do not store at temperatures above 50°C.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS

| CAS No. | Ingredient | TWA | STEL |
|------------|------------------------------------|---------------------------------|----------------------------------|
| 115-10-6 | Dimethyl ether | 760 mg/m ³ , 400ppm | 950 mg/m ³ , 500ppm |
| 67-64-1 | Acetone | 1185 mg/m ³ , 500ppm | 2375 mg/m ³ , 1000ppm |
| 471-34-1 | Carbonic acid, calcium salt (1:1) | 10 mg/m ³ | Not Available |
| 123-86-4 | n-butyl acetate | 713 mg/m ³ , 150ppm | 950 mg/m ³ , 200ppm |
| 13463-67-7 | Titanium oxide (TiO ₂) | 10 mg/m ³ | Not Available |

| | |
|-------------------------|---|
| Engineering Controls | <ul style="list-style-type: none">• Maintain air concentration below occupational exposure standards, providing adequate ventilation.• Use explosion-proof ventilating equipment. |
| Respiratory Protection | <ul style="list-style-type: none">• Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information. |
| Skin Protection | <ul style="list-style-type: none">• PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.• When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.• Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information. |
| Eye and Face Protection | <ul style="list-style-type: none">• Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information. |

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------|---------|
| Appearance | Aerosol |
| Colour | White |

| | | | |
|--|-------------------|--------------------------------|--|
| Odour | Aerosol | Auto-ignition temperature (°C) | Not Available |
| Odour threshold | Not Available | Decomposition temperature | Not Available |
| pH (as supplied) | Not Applicable | Lower Explosive Limit (%) | Not Available |
| Melting point/freezing point (°C) | <-20°C | Upper Explosive Limit (%) | Not Available |
| Initial boiling point & boiling range (°C) | >60°C | Vapour pressure (kPa) | Not Applicable |
| Flash point (°C) | 0°C | Relative density | Not Available |
| Flammability | HIGHLY FLAMMABLE. | Vapour density | 0.94 kg/m3 |
| Evaporation rate | Not Available | Solubility in water | Insoluble |
| Partition coefficient (n-octano/water) | Not Available | Solubility in solvents | Re-dispersible in aromatic solvents and ketones. |
| Viscosity | Not Available | | |

SECTION 10 STABILITY AND REACTIVITY

| | |
|------------------------------------|--|
| Possibility of hazardous reactions | Hazardous polymerisation will not occur. |
| Chemical stability | Stable at ambient temperature and under normal conditions of use for at least two years. |
| Conditions to avoid | <ul style="list-style-type: none">• Heat• Sparks• Open flames• Hot surfaces• Direct sunlight• Extreme freezing• Exposure to moisture and sudden impacts. |
| Incompatible materials | Acid and water. |
| Hazardous decomposition products | Oxides of carbon. |

SECTION 1.1 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

DIMETHYL ETHER

| TOXICITY | LD ₅₀ /LC ₅₀ VALUES RELEVANT FOR CLASSIFICATION |
|----------------------------|---|
| Inhalation (rat): 308 mg/L | LC50 / 4h |

ACETONE

| TOXICITY | LD ₅₀ /LC ₅₀ VALUES RELEVANT FOR CLASSIFICATION |
|------------------------------|---|
| Oral (rat): 5800 mg/kg | LD50 |
| Dermal (rabbit): 20000 mg/kg | LD50 |

TITANIUM OXIDE (TiO2)

| TOXICITY | LD ₅₀ /LC ₅₀ VALUES RELEVANT FOR CLASSIFICATION |
|-------------------------------|---|
| Oral (rat): >20000 mg/kg | LD50 |
| Dermal (rabbit): >10000 mg/kg | LD50 |
| Inhalation (rat): >6.82 mg/L | LC50 / 4h |

CARBONIC ACID, CALCIUM SALT (1:1)

| TOXICITY | LD ₅₀ /LC ₅₀ VALUES RELEVANT FOR CLASSIFICATION |
|------------------------|---|
| Oral (rat): 6450 mg/kg | LD50 |

N-BUTYL ACETATE

| TOXICITY | LD ₅₀ /LC ₅₀ VALUES RELEVANT FOR CLASSIFICATION |
|------------------------------|---|
| Oral (rat): 13100 mg/kg | LD50 |
| Dermal (rabbit): >5000 mg/kg | LD50 |
| Inhalation (rat): >21.0 mg/L | LC50 / 4h |

ACUTE HEALTH EFFECTS

| | |
|---|---|
| Inhalation | <ul style="list-style-type: none"> May cause drowsiness and dizziness, breathing difficulty and headaches. May cause asphyxiation in high concentrations. |
| Skin | <ul style="list-style-type: none"> May cause skin irritation. |
| Eye | <ul style="list-style-type: none"> Causes serious eye irritation. |
| Ingestion | <ul style="list-style-type: none"> May cause nausea and discomfort. May be fatal if swallowed and enters airways. |
| Skin Corrosion / Irritation | <ul style="list-style-type: none"> Based on classification principles, the classification criteria are not met. |
| Serious Eye Damage / Irritation | <ul style="list-style-type: none"> Causes serious eye irritation. |
| Respiratory or Skin Sensitisation | <ul style="list-style-type: none"> Based on classification principles, the classification criteria are not met. |
| Germ Cell Mutagenicity | <ul style="list-style-type: none"> Based on classification principles, the classification criteria are not met. |
| Carcinogenicity | <ul style="list-style-type: none"> Titanium dioxide is classified by IARC as Group 2B - Possibly carcinogenic to humans. |
| Reproductive Toxicity | <ul style="list-style-type: none"> Based on classification principles, the classification criteria are not met |
| Specific Target Organ Toxicity (STOT) - Single Exposure | <ul style="list-style-type: none"> May cause drowsiness and dizziness |
| Specific Target Organ Toxicity (STOT) - Repeated Exposure | <ul style="list-style-type: none"> Based on classification principles, the classification criteria are not met. |

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| | |
|---|---|
| Aspiration Hazard | <ul style="list-style-type: none">May be fatal if swallowed and enters airways |
| Chronic Health Effects | <ul style="list-style-type: none">Repeated or prolonged skin exposure may cause dryness and de-fatting of the skin. |
| Existing Conditions Aggravated by Exposure: | <ul style="list-style-type: none">No information available |
| Additional toxicological information | <ul style="list-style-type: none">No information available |

SECTION 12 ECOLOGICAL INFORMATION | ECOTOXICITY

AQUATIC TOXICITY:

| N-BUTYL ACETATE | Endpoint | Test Duration (hr) | Value |
|-------------------------------|--|--------------------|----------|
| | EC50 | 72 | 674 mg/L |
| Persistence and Degradability | This product will evaporate quickly leaving a solid residue. The residue will present no environmental hazards. Degradation will be relatively slow though ultimately almost complete. | | |
| Bioaccumulative Potential | Bioaccumulation is not expected to occur. | | |
| Mobility in Soil | Mobility is expected to be very low. | | |
| Other adverse effects | Very short term damage to the environment may occur in large spills (>1000 containers), though this should disperse quickly | | |

SECTION 13 DISPOSAL CONSIDERATIONS

| | |
|--|--|
| Disposal Methods and Containers | Dispose according to applicable local and state government regulations |
| Special Precautions for Landfill or Incineration | Please consult your state Land Waste Management Authority for more information |

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SECTION 14 TRANSPORT INFORMATION

| | |
|---|-----------------------------|
| UN number ADG, IMDG, IATA | UN 1950 |
| Proper shipping name ADG, IMDG, IATA | AEROSOLS |
| Dangerous Goods Class ADG Class | 2.1 |
| Packing group | Not Applicable |
| EMD Number | F-D, S-U |
| Hazchem Code | Not Applicable |
| Special provisions | 63, 190, 277, 327, 344, 381 |
| Limited Quantities | 1L |
| Packagings & IBCs - Packing Instruction | P207, LP200 |
| Packagings & IBCs - Special Packing Provisions | PP87, L2 |

SECTION 15 REGULATORY INFORMATION

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

| | |
|------------|--|
| 115-10-6 | Dimethyl ether |
| 67-64-1 | Acetone |
| 8050-26-8 | Resin acids and rosin acids, esters with pentaerythritol |
| 8030-30-6 | Naphtha |
| 13463-67-7 | Titanium oxide (TiO ₂) |
| 471-34-1 | Carbonic acid, calcium salt (1:1) |
| 123-86-4 | n-butyl acetate |

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS (SUSMP) - POISON SCHEDULE: Poisons Schedule: 5

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SECTION 16 OTHER INFORMATION

| | |
|--------------------------------------|--|
| Date of Preparation or Last Revision | 18/02/2021 |
| Prepared by | MSDS.COM.AU Pty Ltd - www.msds.com.au |

ABBREVIATIONS AND ACRONYMS:

- ADG: Australian Dangerous Goods
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- IARC: International Agency for Research on Cancer
- STEL : Short Term Exposure Limit
- TWA: Time Weighted Average
- NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
- Flammable Gases 1: Flammable gases – Category 1
- Aerosol 1: Aerosols – Category 1
- Gases Under Pressure (Compressed gas): Gases under pressure – Compressed gas
- Flammable Liquids 2: Flammable liquids – Category 2
- Flammable Liquids 3: Flammable liquids – Category 3
- Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Aspiration Hazard 1: Aspiration hazard – Category 1

DISCLAIMER

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