

Toluene Free Marking Spray – Fluoro Red

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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

Product Name Toluene Free Marking Spray – Fluoro Red
Trade Names
Other Names Aerosol Paints, Spray Can Paint
Manufacturers Code 23321

Use and method of Application:

AEROSOL SPRAY USED FOR MARKING SURFACES. FAST DRYING, WITH GOOD WEATHERING QUALITIES AND GOOD ADHESION TO MOST SURFACES. TO USE, SPRAY ON SURFACE TO BE MARKED BY AIMING AND PRESSING ACTIVATOR BUTTON. HOLD CAN APPROXIMATELY 200MM FROM SURFACE AND APPLY LIGHT EVEN COATS TO THE DESIRED INTENSITY.

HAZARDS IDENTIFICATION

Statement of Hazardous Nature

Classified as HAZARDOUS SUBSTANCE, DANGEROUS GOODS according to the criteria of NOHSC.

APPLICABLE RISK PHRASES

R11 - Highly flammable
R36 - Irritating to eyes
R65 – Harmful: may cause lung damage if swallowed

APPLICABLE SAFETY PHRASES

S16 - Keep away from sources of Ignition
S25 - Avoid Contact with Eyes
S29 - Do Not Empty into Drains

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COMPOSITION / INFORMATION ON INGREDIENTS**Poisons Schedule** : 5**Ingredients:**

CHEMICAL ENTITY	CAS.NO	PROPORTION
White Spirit	64742-82-1	30-60%
Hydrocarbon Propellant	68476-85-7	10-30%
Ethanol	64-17-5	10-30%
Ethyl Acetate	141-78-6	10-30%
Pigment	Various	10-30%
Other Solvent	Various	<10%
Resin	Various	<10%
Additives	Various	<10%

FIRST AID

- Inhaled:** Move to fresh air, keep warm and rest. If respiration is difficult or breathing stopped apply resuscitation and consult physician.
- Eye:** Irrigate with copious quantities of water for at least 15 minutes. Check for physical damage.
- Skin:** Remove contaminated clothing. Wash off with soap and water. Launder clothing before reuse.
- Swallowed:** Do not induce vomiting, as aspiration into the lungs may cause chemical pneumonitis. Keep calm and consult a physician.

FIRE FIGHTING MEASURES**Extinguishing media:**

Foam, dry agents, or water delivered as fog or fine spray.

Hazards from Combustion Products:If heated to decomposition may release CO_x, ketones and complex hydrocarbons.**Specific Hazard:**

Highly flammable gases, liquid and vapour.

Be aware of possible violent rupture of containers involved in fire.

Special fire fighting recommendations:

Keep uninvolved containers cool with water spray.

Contain run-off for later collection and controlled disposal.

HAZCHEM Code: 2[Y]E

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ACCIDENTAL RELEASE MEASURES

Spills and Disposal:

Aerosol cans are sealed and spill proof. Ruptured or damaged cans may release product uncontrollably.

If safe to do so wrap leaking cans in an adsorbent cloth and dispose of into a refuse bin for collection by local authority.

Do not puncture or incinerate can even when empty.

HANDLING AND STORAGE

Precautions for safe handling:

Proper use of an aerosol dispenser will minimize contact with the material.

Conditions for safe handling:

Store in cool well ventilated dry places.

Product must be stored below 50°C.

Do not store in direct sunlight.

STABILITY AND REACTIVITY

Pressurised container may rupture if subjected to excessive heat. Product must be stored below 50°C.

Hazardous Polymerisation:	No
Conditions to avoid Polymerisation:	Not Applicable
Stability:	Stable
Conditions to avoid instability:	Not Applicable

EXPOSURE CONTROLS / PERSONAL PROTECTION
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Most likely exposure will be accidental contact with skin while using aerosol dispenser and / or inhalation of overspray dusts (See Rouge Dusts).

Exposure Standards:

SUBSTANCE NAME: Hydrocarbon Propellant, as liquefied petroleum gas

Exposure Standard:

TWA: 1000 ppm 1800 mg/m³

STEL: 1250ppm 2180 mg/m³

SUBSTANCE NAME: Rouge dust

Exposure Standard:

TWA: - ppm 10 mg/m³

STEL: - ppm - mg/m³ this value is for inspirable dust containing no asbestos and less than 1% crystalline silica. See Chapter 14: Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment, published by Worksafe Australia.

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SUBSTANCE NAME: White Spirit

CAS Number: 64742-82-1

Exposure Standard:

TWA: 790 mg/m³

STEL: - ppm - mg/m³

SUBSTANCE NAME: Ethyl Acetate

CAS Number: 141-78-6

Exposure Standard:

TWA: 200 ppm (approx = 720 mg/m³)

STEL: - ppm - mg/m³)

SUBSTANCE NAME: Ethanol

CAS Number: 64-17-5

Exposure Standard:

TWA: 1,000 ppm (approx = 1,880 mg/m³)

STEL: - ppm - mg/m³

Biological Limit Values:

There is no biological limit values allocated.

Engineering Controls:

Provide adequate ventilation.

Ensure ventilation is adequate to maintain air concentrations below exposure standards.

Eliminate all sources of ignition.

Personal Protection:

Avoid eye and skin contact.

Wear safety glasses.

Wear protective clothing to avoid skin contact.

Use respirator if vapours accumulate. Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fluoro Red coloured paints packed in an aerosol dispenser

Odour: paraffinic

pH: Not Determined

Vapour Pressure: Not Determined

Vapour Density: Not Determined

Boiling Point (°C): Not Determined

Freezing Point (°C): Not Determined

Solubility: Not Determined

Specific Gravity: 0.892-0.932 Kg/L

Flash Point (°C): -80°C (Propellant Gas)

UEL / LEL in air: Not Determined

Ignition Temperature: Not Determined

% Volatile: 70-72 %

Other Properties: Can Pressure 2 - 6 Bar at 20°C

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Flammability:

Highly flammable gases, liquid and vapour.

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to avoid: Temperatures over 50°C, flames, sources of ignition and incompatibilities.

Incompatible materials: reacts with oxidising agents, acids, alkalis and amines.

Hazardous decomposition Products: If heated to decomposition may release CO_x, ketones and complex hydrocarbons.

Hazardous reactions: Not determined

TOXICOLOGICAL INFORMATION

Likely routes of exposure that may result in adverse health effects are inhalation of overspray dusts and accidental contact with skin and eyes:

ACUTE EFFECTS:

Inhalation of overspray dusts: Irritation of nose and throat and possible drowsiness.

Eye: Severe irritant. Physical damage could occur from the effect of aerosol pressure.

Skin: Moderate irritant and drying effect.

Long Term Effects: Prolonged or repeated skin exposure may lead to dermatitis through the drying action of the solvent.

No other adverse health effects are expected if the product is handled in accordance with the safety data sheet and the product label. Symptoms that may arise if the product is mishandled are:

ACUTE EFFECTS:

Eye: Severe irritant. Physical damage could occur from the effect of aerosol pressure.

Skin: Mild irritant and drying effect.

Inhaled: Inhalation of vapours or mists may cause irritation to the respiratory system. Propellant is Asphyxiant.

Swallowed: Harmful if swallowed. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

CHRONIC EFFECTS:

Prolonged or repeated skin exposure may lead to dermatitis through the drying action of the solvent. Prolonged or repeated inhalation exposure to high concentrations of vapours may affect the central nervous system.

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ACUTE TOXICITY / CHRONIC TOXICITY

No LD50 data available for this product.

ECOLOGICAL INFORMATION**Ecotoxicity:** The residual solids may be harmful to aquatic species.**Persistence / Degradability:** Not determined**Mobility:** Not determined

Note: This substance contains highly volatile material that will rapidly evaporate to the air.

DISPOSAL CONSIDERATIONS

Dispose of empty containers into a refuse bin for collection by local authority.

TRANSPORT INFORMATION

U.N. Number : 1950
UN Proper Shipping Name : Aerosols
Dangerous Goods Class : 2.1
Subsidiary Risk :
Packaging Group :
Special Precautions for user : Product must be stored below 50°C. Do not store in direct sunlight.
Hazchem Code : 2[Y]E

REGULATORY INFORMATION

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS)

OTHER INFORMATION

Raw Material supplier's Material Safety Data sheets.

1. Australian Code for the Transport of Dangerous Goods by Road and Rail – Seventh Edition, 2007
2. Australian Health Minister's Advisory Council, Standard for the Uniform scheduling of drugs and poisons, No.11, AGPS, Canberra, 1996
3. National Occupational Health and Safety Commission, 'National Code of Practice for the Preparation of Material Safety Data Sheets' [NOHSC:2011(1994)], AGPS, Canberra, 1994
4. National Occupational Health and Safety Commission, 'List of Designated Hazardous Substances' [NOHSC:10005(1994)], AGPS, Canberra, 1994
5. National Occupational Health and Safety Commission, 'Exposure Standards for Atmospheric Contaminants in the Occupational Environment' [NOHSC:1003(1995)], AGPS, Canberra, 1995
6. National Occupational Health and Safety Commission, 'Approved Criteria for Classifying Hazards' [NOHSC:2011(1994)], AGPS, Canberra, 1994

DATE OF REVISION:

21/01/08

Reason for issue:

Revised after new edition of ADG Code

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End of MSDS