

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

1 Identification

Product Name: SPOT MARKING PAINT**Other Means of Identification:** Mixture**Recommended Use of the Chemical and Restriction on Use:** Fast drying line and spot marking paint.**Details of Manufacturer or Importer:**

Jaybro Civil & Safety Products
 35 Charles Street
 St. Marys NSW 2760

Phone Number: 1300 885 364**Emergency telephone number:** 02 9678 1400

2 Hazard(s) Identification

Hazardous Nature:

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).



flame

Aerosol 1

H222 Extremely flammable aerosol.



health hazard

Germ Cell Mutagenicity 1B

H340 May cause genetic defects.

Carcinogenicity 1B

H350 May cause cancer.



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

Signal Word Danger**Hazard Statements**

H222 Extremely flammable aerosol.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

Precautionary Statements

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 protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P201 Obtain special instructions before use.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 1)

P202	Do not handle until all safety precautions have been read and understood.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
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.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

115-10-6	Dimethyl ether ⚠ Flammable Gases 1, H220; ⚠ Gases Under Pressure (Compressed gas), H280	25-30%
67-64-1	Acetone ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H336	13-25%
64742-48-9	Naphtha (petroleum), hydrotreated heavy ⚠ Aspiration Hazard 1, H304; ⚠ Flammable Liquids 4, H227	18-24%
1317-70-0	Anatase (TiO ₂) ⚠ Acute Toxicity (Inhalation) 4, H332; ⚠ Skin Corrosion/Irritation 2, H315; ⚠ Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H335	7-9%
471-34-1	Carbonic acid, calcium salt (1:1)	3-8%
123-86-4	n-butyl acetate ⚠ Flammable Liquids 3, H226; ⚠ STOT SE 3, H336	4-6%

Additional information:

Acrylic modified resin - CAS No. not supplied - 19-25%

Pigment - CAS No. not supplied - 4-8%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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. Remove any adhering solids with industrial skin cleansing cream. Do not use solvents.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 2)

Symptoms Caused by Exposure:

Inhalation: Inhalation of vapours may cause drowsiness and dizziness, sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo. Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue, incoordination, anaesthetic effects, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.

Skin Contact: May cause skin irritation. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through cuts may cause systemic injury with harmful effects.

Eye Contact: Causes eye irritation, discomfort, and transient eye inflammation and ulceration.

Ingestion: May cause stupor, blurred vision, headache, dizziness and irritation of the nose and throat, CNS symptoms as in inhalation.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water spray or fog, carbon dioxide or dry chemical. Do not use water jet.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon.

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as it may cause ignition,

Closed containers may explode when exposed to extreme heat. 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:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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.

Environmental Precautions:

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

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Clean up all spills immediately. If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. Use only non-sparking tools. Increase ventilation. Water spray or fog may be used to disperse / absorb vapour.

7 Handling and Storage

Precautions for 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:

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 3)

Store in a cool, dry and well ventilated area. Protect from heat, sparks, open flames and other sources of ignition. Store at temperatures below 40 °C. Keep away from oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine. Store in an upright position. Protect containers against physical damage. Check regularly for spills and leaks. DO NOT incinerate or puncture aerosol cans.

8 Exposure controls and personal protection

Exposure Standards:	
115-10-6 Dimethyl ether	
WES	STEL: 950 mg/m ³ , 500 ppm TWA: 760 mg/m ³ , 400 ppm
67-64-1 Acetone	
WES	STEL: 2375 mg/m ³ , 1000 ppm TWA: 1185 mg/m ³ , 500 ppm
471-34-1 Carbonic acid, calcium salt (1:1)	
WES	TWA: 10 mg/m ³
123-86-4 n-butyl acetate	
WES	STEL: 950 mg/m ³ , 200 ppm TWA: 713 mg/m ³ , 150 ppm

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:

Type AX-P Filter of sufficient capacity. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

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:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Aerosol
Colour:	According to product specification
Odour:	Ketone odour
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	<-20 °C
Initial Boiling Point/Boiling Range:	>60 °C
Flash Point:	0 °C
Flammability:	Highly flammable

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 4)

Auto-ignition Temperature:	235 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	0.92
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Immiscible
Solubility in Solvents:	Dispersible in aromatic solvents or ketones.

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.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials:

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.

Hazardous Decomposition Products: Oxides of carbon.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
115-10-6 Dimethyl ether		
Inhalation	LC ₅₀ /4 h	308 mg/l (rat)
67-64-1 Acetone		
Oral	LD ₅₀	5800 mg/kg (rat)
Dermal	LD ₅₀	20000 mg/kg (rabbit)
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD ₅₀	>5000 mg/kg (rat)
Dermal	LD ₅₀	>3000 mg/kg (rab)
471-34-1 Carbonic acid, calcium salt (1:1)		
Oral	LD ₅₀	6450 mg/kg (rat)
123-86-4 n-butyl acetate		
Oral	LD ₅₀	13100 mg/kg (rat)
Dermal	LD ₅₀	>5000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>21.0 mg/l (rat)

Acute Health Effects

Inhalation:

Inhalation of vapours may cause drowsiness and dizziness, sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo. Inhalation of high concentrations of gas/vapour causes lung irritation with coughing and nausea, central nervous depression with headache and dizziness, slowing of reflexes, fatigue, incoordination, anaesthetic effects, slurred speech and may progress to unconsciousness. Serious poisonings may result in respiratory depression and may be fatal.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 5)

Skin:

May cause skin irritation. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through cuts may cause systemic injury with harmful effects.

Eye: Causes eye irritation, discomfort, and transient eye inflammation and ulceration.

Ingestion:

May cause stupor, blurred vision, headache, dizziness and irritation of the nose and throat, CNS symptoms as in inhalation.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: May cause drowsiness and dizziness.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis.

Chronic solvent inhalation exposures may result in nervous system impairment and liver and blood changes.

Existing Conditions Aggravated by Exposure: Pre-existing allergies, eye, skin and respiratory disorders.

12 Ecological Information

Ecotoxicity: No information available

Aquatic toxicity:

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability:

Acetone - low

Titanium dioxide - high

N-butyl acetate - low

Dimethyl ether - low

Bioaccumulative Potential:

Acetone - low

Titanium dioxide - low

N-butyl acetate - low

Dimethyl ether - low

Mobility in Soil:

Acetone - high

Titanium dioxide - high

N-butyl acetate - low

Dimethyl ether - high

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 6)

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number	UN1950
ADG, IMDG, IATA	
Proper Shipping Name	
ADG	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
Dangerous Goods Class	
ADG Class:	2 5F Gases.
IMDG Class:	2.1
Packing Group:	
ADG, IMDG, IATA	Void
EMS Number:	F-D,S-U
Hazchem Code:	2YE
Special Provisions:	63, 190, 277, 327
Limited Quantities:	See SP 277
Packagings & IBCs - Packing Instruction:	P003, LP02
Packagings & IBCs - Special Packing Provisions:	PP17, PP87, L2

15 Regulatory information**Australian Inventory of Chemical Substances:**

115-10-6	Dimethyl ether
67-64-1	Acetone
64742-48-9	Naphtha (petroleum), hydrotreated heavy
1317-70-0	Anatase (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

16 Other information**Date of Preparation or Last Revision:** 24.02.2017**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

(Contd. on page 8)

Safety Data Sheet

according to WHS Regulations

Printing date 24.02.2017

Revision: 24.02.2017

Product Name: SPOT MARKING PAINT

(Contd. of page 7)

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

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Inhalation) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1B: Carcinogenicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Jaybro Civil & Safety Products makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.