

Material Safety Data Sheet

Infosafe No™ LPYDK Issue Date : September 2014 ISSUED by HOGANSWH

Product Name : **TRADESMAN TOUCH UP PAINT**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name TRADESMAN TOUCH UP PAINT
Company Name Hogans Wholesale
Address 66 ELIZABETH STREET WETHERILL PARK
NSW 2164 Australia
Emergency Tel. 0410457236 (Ray Crawford)
Telephone/Fax Number Tel: 1800 464 267
Fax: 02 9756 6473
Recommended Use Touch up for pre painted metals.

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.

Risk Phrase(s) Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Safety Phrase(s) Classified as hazardous
R12 Extremely Flammable.
R36 Irritating to eyes.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 Possible risk of harm to the unborn child.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness

S15 Keep away from heat.
S16 Keep away from sources of ignition - No smoking.
S20 When using do not eat or drink.
S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S53 Avoid exposure - obtain special instructions before use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Dimethyl ether	115-10-6	30-60 %		
	Acetone	67-64-1	15-25 %		
	Toluene	108-88-3	5-15 %		
	Methyl Ethyl Ketone	78-93-3	1-10 %		
	Cyclohexanone	108-94-1	1-10 %		
	Butyl Acetate	123-86-4	0-1 %		
	Ingredients determined not to be hazardous		Balance	T, Xi, F	R11, R20, R21, R22, R38, R45(2), R48, R52, R53

4. FIRST AID MEASURES

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Unlikely due to form of the product. If ingestion occurs, do not induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

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First Aid Facilities Eye wash station, safety shower and normal washroom facilities.
Advice to Doctor Treat symptomatically.
Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 131 126) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use foam, water fog, water mist, dry chemical or carbon dioxide.
Hazards from Combustion Under fire conditions this product may emit toxic and/or irritating fumes and gases including oxides of nitrogen, carbon monoxide and carbon dioxide.
Products Specific Hazards Contents under pressure - cans can explode in a fire. This product is flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code 2YE
Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.
Unsuitable Extinguishing Media Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Place inert, non-combustible absorbent material onto liquid spillage. Spillage may be slippery. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water authorities and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. DO NOT store or use in confined spaces. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Build up of mists or vapours in the atmosphere must be prevented. Do not spray on a naked flame or any incandescent material. Do NOT puncture, burn, cut or heat containers as they may contain hazardous residues. Do not smoke. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities. Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.
Conditions for Safe Storage Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Protect container against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently. For information on the design of the storeroom, reference should be made to Australian Standard AS 2278-2000

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Non-refillable metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive. Reference should also be made to all Local, State and Federal regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure value assigned for this specific material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Acetone	500	1185	1000	2375	-
Dimethyl ethyl	400	760	500	950	-
Toluene	50	191	150	574	Sk
Methyl ethyl ketone	150	445	300	890	-
Cyclohexanone	25	100	-	-	Sk
n-Butyl acetate	150	713	200	950	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Biological Limit Values

Name: Acetone (CAS 67-64-1)

Determinant: Acetone

Specimen: urine

Sampling time: End of shift.

Value: 150 mg/L

Name: Toluene

Determinant: Toluene in urine

Value: 0.03mg/l

Sampling time: End of shift.

Name: Toluene

Determinant: Toluene in blood:

Value: 0.02mg/l

Sampling time: Prior to last shift of workweek

Name: Toluene

Determinant: o-Cresol in urine

Value: 0.3mg/g creatinine

Sampling time: End of shift.

Name: Methyl Ethyl Ketone (78-93-3)

Determinant: MEK

Specimen: urine

Value: 2 mg/L

Sampling time: End of shift

Name: Cyclohexanone

Determinant: 1,2-Cyclohexanediol, with hydrolysis in Urine

Sampling time: End of Shift at End of Work Week

Value: 80 mg/L

Name: Cyclohexanone

Determinant: Cyclohexanol, with hydrolysis in Urine

Sampling time: End of Shift

Value: 8 mg/L

Source: American Conference of Industrial Hygienists (ACGIH)

Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

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Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Coloured liquid
Odour	Solvent odour
Melting Point	Not available
Boiling Point	-24.8°C (Dimethyl ether)
Solubility in Water	Insoluble
Specific Gravity	1-1.2
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Flash Point	Not available
Flammability	Extremely flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, open flames and other sources of ignition
Incompatible Materials	Stong oxidizers
Hazardous Decomposition Products	Aerosol cans may rupture violently and travel spreading burning liquid and gases. Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of nitrogen, carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data are available for this specific product, however toxicity data for ingredients are given below:
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Inhalation	May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness nausea and vomiting. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Ingestion	Unlikely due to form of product. If ingestion occurs, may cause lung damage if swallowed. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death. May also cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.
Skin	May be irritating to skin. Skin contact may cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated exposure may cause skin dryness and cracking.
Reproductive Toxicity	Possible risk of harm to the unborn child. This product is classified by NOHSC as Toxic to reproduction Category 3 - substances that cause concern for humans owing to possible developmental toxicity effects.
Acute Toxicity - Oral	Methyl ethyl ketone: LD50 (rat): 2,737mg/kg Toluene: LD50 (rat): 636mg/kg Acetone: LD50 (rat): 5,800mg/kg Cyclohexane: LD50 (rat): 1,620uL/kg
Acute Toxicity - Dermal	Methyl ethyl ketone: LD50 (rabbit): 14000mg/kg Toluene: LD50 (rabbit): 14100uL/kg Cyclohexane: LD50 (rabbit): 1000uL/kg
Acute Toxicity - Inhalation	Methyl ethyl ketone: LC50 (rat): 23,500mg/m ³ /8H Toluene: LC50 (rat): 49,000mg/m ³ /8H Acetone: LC50 (rat): 50,100mg/m ³ /8H Cyclohexane: LC50 (rat): 8000ppm/4H

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available for this specific material.
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Do not pierce, burn, cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Empty the container completely before disposal. Contaminated containers must not be treated as household waste. Advise flammable nature.
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14. TRANSPORT INFORMATION

Transport Information	Road and Rail: This material is classified as Dangerous Goods Division 2.1 - Flammable Gases according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. (7th edition)
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Division 2.1 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Division 2.2 Non-flammable, Non toxic gases that have a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.
- Class 3, Flammable Liquids, if both the Division 2.1 and Class 3 dangerous goods are in tanks or other receptacles with a capacity individually exceeding 500L.
- Division 4.1, Flammable Solids
- Division 4.2, Spontaneously Combustible Substances
- Division 4.3, Dangerous When Wet Substances
- Division 5.1, Oxidising substances
- Division 5.2, Organic Peroxides
- Class 7, Radioactive Substances

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Proper Shipping Name: AEROSOLS
Division: 2.1
EmS: F-D,S-U
Special Provisions: 63, 190, 277, 327, 344, 959

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
Proper Shipping Name: Aerosols,flammable
UN-No: 1950
Division: 2.1
Label: Flammable gas
Packaging Instructions (cargo only): 203
Packaging Instructions (passenger & cargo): 203
Special Provisions: A145, A167, A802
1950

U.N. Number
Proper Shipping Name
DG Class
Hazchem Code
EPG Number
IERG Number
IMDG Marine Pollutant (MP)

AEROSOLS
2.1
2YE
2D1
49
No

15. REGULATORY INFORMATION

Regulatory Information Classified as hazardous
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

Hazard Category Harmful, Irritant, Extremely Flammable

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS reviewed: September 2014
Supersedes; September 2009

Literature References Standard for the Uniform Scheduling of Medicines and Poisons.
Approved criteria for classifying hazardous substances [NOHSC:1008(2004)].
National Code of Practice for the Preparation of Material Safety Data Sheets

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[NOHSC:2011(2003)].
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited
carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
...End Of MSDS...

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