

Duralume

SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Duralume
Manufacturing Product Code:	Z4658
Recommended Uses:	For metal and machinery
Supplier:	Omega Paints Pty Ltd
Street Address	111, Kurrajong Ave, Mount Druitt, NSW, 2770
Telephone Number:	(02) 9832 0000
Fax:	(02) 9677 0566
Emergency phone:	Poison Information Center: 13 11 26

SECTION 2- HAZARDS IDENTIFICATION

Health Hazard Classification

This product is classified as hazardous under Safe Work Australia criteria.

Hazard Category

F: Flammable; Xn: Harmful; Xi: Irritant; T: Toxic

Risk Phrases

R10: Flammable
R20/21/22: Harmful by inhalation, in contact with skin or swallowed
R36/37/38: Irritating to eyes, respiratory system and skin
R45: May cause cancer
R51/52: Toxic and harmful to aquatic organisms.
R53: May cause long-term adverse effects in the aquatic environment
R65: Harmful: May cause lung damage if swallowed
R66: Repeated exposure may cause skin dryness or cracking
R67: Vapors may cause drowsiness and dizziness.

Safety Phrases

S16: Keep away from sources of ignition
S23: Do no breather vapor/mist/aerosol
S53: Avoid exposure - obtain special instructions before use
S57: Use appropriate container to avoid environmental contamination.

SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
White Spirit	8052-41-3	10-30 %
Xylene	133020-7	10-30%
Zinc Dust (Stabilized)	7440-66-6	10-30%
Aluminum powder	7429-90-5	<10%
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6	<10%
Cobalt Octoate	13586-82-8	<1 %
Zirconium Octoate	22464-99-9	<1 %
Ingredients determined to be non-hazardous Or below the hazardous threshold		TO 100%

SECTION4- FIRST AID MEASURES**Ingestion**

If swallowed, do not induce vomiting. Give 250 ml water to rinse out mouth and drink. Seek immediate medical attention.

Eye contact

Immediately flush eyes with large amount of water for at least 15 minutes. Seek immediate medical attention.

Skin contact

Flush thoroughly with soap and water. Immediately remove contaminated clothing including footwear. Seek medical attention in event of persisting skin irritations.

Inhalation

Remove victim from exposure to fresh air. Keep at rest. If breathing is difficult, administer artificial respiration. High concentrations of vapor/aerosol causes irritation of airways, headaches, vertigo, anesthetic effects as well other effects on the central nervous system. Seek immediate medical attention.

First aid facilities

Provide eye baths and safety showers.

Medical attention

Treat symptomatically.

SECTION 5- FIRE FIGHTING MEASURES**Suitable extinguishing equipment**

Foam, Dry Powder, CO₂, Water Fog. Do not use water and inert material such as sand.

Hazards arising from combustion of product

Oxides of Carbon.

Special protective equipment and precautions for fire fighters

Wear breathing apparatus when fighting fire.

Hazchem Code: 3[Y]E

SECTION 6- ACCIDENTAL RELEASE MEASURES**Minor spill**

Extinguish naked flames. And avoid sparks. Absorb with sand, sawdust or earth. Collect in drums, and arrange for disposal by a competent contractor, in accordance with local regulations.

Major spill

Extinguish naked flames and avoid sparks. Wear appropriate protective clothing and equipment. Evacuate surrounding personal. Dike area of spill, and transfer to empty drums. Residue to be absorbed with sand, sawdust or earth, and placed in drums. Arrange disposal by competent contractor, in accordance with local regulations.

SECTION 7- HANDLING AND STORAGE**Precaution for safe handling**

This product is flammable. Avoid sources of heat, naked flames and sparks. Use in well-ventilated area. Use flame proof equipment. No smoking. Earth all containers to reduce the possibility of sparks from static electricity.

Conditions for safe storage

Store in a cool, well-ventilated area and place away from heat, naked flames and sparks. Store away from oxidizing agents, alkaline materials and strong acids. Keep container closed at all times. Keep away from food, and drink and clothing.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Entity	Cas No	Weight%	TWA ¹ (ppm)	STEL ² (ppm)
White Spirits	8052-41-3	30-60 %	480	N/A
Xylene	1330-20-7	10-30%	50	150
Aluminum powder	7429-90-5	<10%	N/A	N/A
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6	<10%	50	150

¹ Time weighted average concentration

² Short-term exposure limit

Engineering controls

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TWA. Ventilation equipment should be explosion proof.

Personal protective equipment

Wear chemical safety glasses/goggles or face shield. Wear half face respirator, with organic vapor cartridge. Wear PVC or Nitrile chemical handling gloves

SECTION9- PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Silver Liquid
Odour	-	Solvent Odour
Vapor Pressue @ 25°C	kPa	0.31
Boiling Point	°C	>118
Flash Point	°C	20
Density @ 25°C	g/ml	1.3-1.4
Flammability Limits	%(v/v)	1-8
Volatile content	%(w/w)	>35

SECTION 10- STABILITY AND REACTIVITY**Chemical stability**

Stable at room temperature and pressure.

Conditions to avoid

Source of heat and ignition, open flames.

Incompatible materials

Not specified.

Hazardous decomposition products

Carbon oxides and other organic complexes on incomplete burning or oxidation.

Hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

SECTION 11- TOXICOLOGICAL INFORMATION**Acute effects*****Ingestion***

Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

Eye Contact

Irritating, causing redness and burning sensation.

Skin Contact

Irritating, causing redness and burning sensation.

Inhalation

Harmful by inhalation. The vapour is irritating to the upper respiratory tract.

May cause nausea, dizziness and narcosis. Extreme exposure may result in unconsciousness, and possibly death.

Chronic effects

Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

Toxicology information

No LD data available for this product.

SECTION 12- ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SECTION 13- DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Product is normally suitable for incineration by an approved agent.

SECTION 14- TRANSPORT INFORMATION

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

UN No.	1263
Proper Shipping Name	Paint
DG Class	3 & 6.1
Subsidiary Risk	Not Applicable
Packing Group	II
Hazchem Code	3[Y] E

SECTION 15-REGULATORY INFORMATION

HMIS Code: 230H

SECTION 16- OTHER INFORMATION

Contact Omega Paints
Person/Point Technical Manager
Ph 02 98 32 0000 Mob 0422237710

Other Information Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.
Abbreviations: N/A - Not Applicable N/AV - Not Available

Abbreviations:

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number: Chemical Abstracts Number